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City of Cambridge

Massachusetts

THE
ANNUAL REPORTS

Made to the City Council

FOR THE

Year Ending March 31, 1921



PUBLISHED BY ORDER OF THE CITY COUNCIL
UNDER THE DIRECTION OF THE
CITY CLERK

J. FRANK FACEY, Printer
36 Prospect Street
Cambridge



HON. EDWARD W. QUINN
MAYOR OF CAMBRIDGE
MASSACHUSETTS



ADDRESS
OF
HON. EDWARD W. QUINN
JANUARY 3, 1921

Gentlemen of the City Council:

The annual duty of presenting a program of municipal policy to the citizens of Cambridge devolves upon me at this promising time of the year. There may be said to be sound health in a situation where the people await expectantly their public servants' declaration of policy. An Executive is encouraged to give his best where interest and critical appreciation are shown by the people.

The City Council share with me the responsibility of the government of Cambridge. The opportunity, it would seem, presents itself at this time to offer to your Honorable Body, a few ideas aimed to improve the municipal service.

The problem of the unemployed confronts us. We are back to that normalcy promised us in the recent national campaign and, whether we like it or not, we have a serious duty devolving upon us to face it with courage and resource. One method of meeting the unemployed situation is to put men to work on needed public improvements. I therefore propose to the water board that work be immediately begun on the Filtration Plant Construction, which includes the reinforcing of the Payson Park Reservoir. Again, I suggest in line with a comprehensive policy of street construction that Main Street be rebuilt, so that our principal thoroughfare, leading to the West Boston bridge, be a complement in public service to the proposed widening of Cambridge Street, Boston, leading into the heart of the business district.

Intelligent city planning insists upon developing the commercial idea in respect to public squares. For this reason the engine houses in Central, Brattle, Inman and Lafayette Squares

should be removed to make way for business development on these sites. The removal of the Brattle and Central Square Stations afford an opportunity to combine the two in a Central Station gaining increased efficiency at a much lower cost of operation.

The State Law passed last year, in relation to Municipal action on War Memorials, not only permits cities and towns to appropriate money for this purpose, but suggests an appeal to private munificence to assist in such patriotic enterprises. It would seem to be a great opportunity for the expression of the highest civic spirit.

Owing to the increase in registered voters, as the happy result of the recent passage of the Suffrage amendment, the voting precincts as apportioned by law are inadequate to meet this new demand. I therefore recommend that the City be redistricted into new voting precincts in conformity with the law.

These few improving suggestions are of a number which I intend to present more fully to you during the year. The times are serious. Our duty lies along the path of sound accomplishment. The people expect it, and the measure of our fitness to serve will be gauged by the way in which we rise to the opportunities and responsibilities of our positions. I extend to your Honorable Body my best wishes for a successful year."

REPORT OF CITY TREASURER

LETTER OF TRANSMITTAL

City of Cambridge, Mass.

Office of the City Treasurer, April 1, 1921.

To the Honorable, the City Council:

In compliance with the provisions of Chapter 56 of the revised ordinances of 1892, amended to November 8, 1899, compiled to November 10, 1913, concerning "Annual reports of officers and Boards in charge of Departments," I respectfully submit herewith a detailed report of the receipts and expenditures of the public funds by the Treasury Department during the year ending March 31, 1921, including an account of all bonded and temporary loans negotiated in said year, also a detailed account of official fees received and reports of all trust funds in the care of the City Treasurer. In addition to the above, a report of the Commissioners of the Sinking Funds of the City, together with a report of the Committee of Finance, is included.

Very respectfully,

HENRY F. LEHAN,
City Treasurer.

TRIAL BALANCE TREASURER'S LEDGER, APRIL 1, 1921

| | Dr. | Cr. |
|------------------------------------|----------------|--------------|
| Cash | \$453,821 06 | |
| Harvard Trust Co., Tailings | 5,018 57 | |
| Taxes 1913 | 334 60 | |
| “ 1914 | 506 62 | |
| “ 1915 | 653 60 | |
| “ 1916 | 31,879 10 | |
| “ 1917 | 33,958 89 | |
| “ 1918 | 43,347 22 | |
| “ 1919 | 224,352 30 | |
| Street Sprinkling 1915 | 14 00 | |
| “ “ 1916 | 59 35 | |
| “ “ 1917 | 146 40 | |
| Moth Extermination 1915 | 7 91 | |
| “ “ 1916 | 6 08 | |
| “ “ 1917 | 12 48 | |
| “ “ 1918 | 8 34 | |
| “ “ 1919 | 85 84 | |
| Sewers Unapportioned | 996 64 | |
| Sewers Committed Interest | 216 23 | |
| Sewers Apportioned 1919 | 509 42 | |
| Sidewalks Unapportioned | 6,351 41 | |
| “ Apportioned 1915 | 16 33 | |
| “ Committed Interest | 48 27 | |
| “ Apportioned 1916 | 23 92 | |
| “ “ 1919 | 43 29 | |
| Tax Liens | 33,059 76 | |
| Tax and Assessment Variation | 225 94 | |
| City Messenger Department | 114 31 | |
| Health | 28,022 78 | |
| Sewer Maintenance | 316 89 | |
| Street Department | 5,007 77 | |
| Overseers of Poor Department | 18,474 10 | |
| Municipal Hospital | 21,161 34 | |
| Soldier's Benefits | 2,762 14 | |
| School Department | 3,968 55 | |
| Park Department | 777 68 | |
| Cemetery Department | 5,321 86 | |
| Water Accounts, Meters | 14,707 15 | |
| “ “ Annuals | 8,981 30 | |
| “ “ Miscellaneous | 5,953 89 | |
| “ “ Construction | 9 53 | |
| Revenue—Loans | | \$700,000 00 |
| Tailings | | 5,018 57 |
| Premiums on Loans | | 19,160 37 |
| Sale of City Land | | 24,500 00 |
| Abatements Prior to 1916..... | 131,994 09 | |
| Overlay—1916 | 39 95 | |
| “ —1917 | 86 95 | |
| Taxes—1920 | 807,200 55 | |
| Moth Extermination—1920 | 154 79 | |
| Overlay—1918 | | 13,136 53 |
| “ —1919 | 50 32 | |
| “ —1920 | 7,642 37 | |
| Sewer Assessment Revenue | | 2,188 17 |
| Sidewalk Assessment Revenue | | 6,872 72 |
| Amount carried forward | \$1,898,451 88 | \$770,876 36 |

CITY TREASURER

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| | | |
|--------------------------------------|-----------------------|-----------------------|
| Amount brought forward..... | \$1,898,451 88 | \$770,876 36 |
| Departmental Revenue | | 86,332 61 |
| Water Construction Bills | | 9 53 |
| Water—Cash Surplus | | 158,606 28 |
| Water Revenue | | 29,642 34 |
| Loans Authorized | 590,000 00 | |
| Loans—Street, five year balance..... | | 224 10 |
| Tax—State | | 279 00 |
| Non-Revenue Appropriations | | 959,312 62 |
| Excess and Deficiency | | 445,175 60 |
| Land on Cedar Street | 223 00 | |
| Sewers Apportioned—1920 | 465 88 | |
| Sidewalks Apportioned—1920 | 389 50 | |
| Hunting and Fishing License | | 7 35 |
| Dog License | | 187 80 |
| Cash Variation | | 1,590 30 |
| Bonds Payable—1920 | | 10,000 00 |
| School Department Surplus | | 27,286 37 |
| Total..... | <u>\$2,489,530 26</u> | <u>\$2,489,530 26</u> |

**TEMPORARY LOANS IN ANTICIPATION OF REVENUE NEGOTIATED
DURING THE YEAR ENDING MARCH 31, 1921**

| Date | Maturity | Amount | Discount per annum |
|---------------------|---------------------|----------------|--------------------|
| April 17, 1920..... | Jan. 17, 1921..... | \$400,000 00 | 5.57 |
| April 20, 1920..... | Nov. 20, 1920..... | 150,000 00 | 5.57 |
| June 11, 1920..... | Nov. 11, 1920..... | 200,000 00 | 6.15 |
| Aug. 11, 1920..... | Nov. 15, 1920..... | 300,000 00 | 5.89 |
| Sept. 15, 1920..... | Dec. 15, 1920..... | 250,000 00 | 5.97 |
| Sept. 25, 1920..... | Oct. 28, 1920..... | 500,000 00 | 5.59 |
| Jan. 17, 1921..... | April 15, 1921..... | 400,000 00 | 6 % plus \$5.00 |
| March 2, 1921..... | Oct. 17, 1921..... | 300,000 00 | 5.85 |
| Total..... | | \$2,500,000 00 | |

PARTICULARS CONCERNING BONDS NEGOTIATED DURING THE YEAR ENDING MARCH 31, 1921

| Date of Bonds | Amount | Loan | Years to Run | Rate | Purchaser | Rate |
|---------------|--------------|--------------------------|-------------------------------|------|----------------------|--------|
| Oct. 1, 1920 | \$70,000 00 | Street Construction..... | \$14,000 annually for 5 years | 5½% | E. H. Rollins & Sons | 100 55 |
| Oct. 1, 1920 | 20,000 00 | Street Construction..... | 4,000 annually for 5 years | 5½% | " | 100 55 |
| Oct. 1, 1920 | 13,000 00 | Street Construction..... | 3,000 annually for 3 years | 5½% | " | 100 55 |
| | | | 2,000 annually for 2 years | 5½% | " | 100 55 |
| Oct. 1, 1920 | 20,000 00 | Street Construction..... | 4,000 annually for 5 years | 5½% | " | 100 55 |
| Oct. 1, 1920 | 50,000 00 | Add. Depart. Equip..... | 10,000 annually for 5 years | 5½% | " | 100 55 |
| Oct. 1, 1920 | 3,500 00 | School House | 500 annually for 7 years | 5% | " | 100 55 |
| Oct. 1, 1920 | 15,000 00 | Street Construction..... | 1,500 annually for 10 years | 5% | " | 100 55 |
| Oct. 1, 1920 | 140,000 00 | Street Construction..... | 14,000 annually for 10 years | 5% | " | 100 55 |
| Oct. 1, 1920 | 20,000 00 | Sewer Construction.... | 1,000 annually for 20 years | 5% | " | 100 55 |
| Oct. 1, 1920 | 50,000 00 | Hospital | 2,500 annually for 20 years | 5% | " | 100 55 |
| Oct. 1, 1920 | 30,000 00 | Sewer Construction.... | 1,000 annually for 30 years | 5% | " | 100 55 |
| Oct. 1, 1920 | 15,000 00 | Sewer Construction.... | 500 annually for 30 years | 5% | " | 100 55 |
| Total | \$446,500.00 | | | | | |

RECAPITULATION

| | |
|---|--------------|
| Street | \$278,000 00 |
| Sewer | 65,000 00 |
| School | 3,500 00 |
| Hospital | 50,000 00 |
| Additional Departmental Equipment | 50,000 00 |
| | <hr/> |
| | \$446,500 00 |

FEES

During the year ending March 31, 1921, the Treasurer has received official fees amounting to \$5,671.70 itemized as follows:

| | |
|---|------------|
| Tax Sale: | |
| Preparation | \$184 50 |
| Advertising | 307 10 |
| Deeds | 318 00 |
| Recording | 61 80 |
| Certificates of liens | 575 00 |
| Affidavits | 72.35 |
| Examination of Title | 11 00 |
| Statutory Fee | 11 00 |
| Demand | 55 00 |
| Tax Summonses | 2,537 70 |
| Releases | 38 00 |
| Services of department in collection of water taxes, etc..... | 1,500 00 |
| | <hr/> |
| | \$5,671 70 |

These fees were turned into the City Treasury as received.

REPORT OF TRUST FUNDS IN HANDS OF CITY
TREASURER

CEMETERY TRUST FUNDS

The following is the condition of the Funds:

| | | |
|---|--------------|--------------|
| Amount of Perpetual Care Fund March 31, 1920..... | \$127,396 62 | |
| Amount of Deeds in Trust Fund..... | 432 00 | |
| Received from owners of Lots for perpetual care | 6,278 45 | |
| Received from owner of Lots for Deed in Trust..... | 10 00 | |
| Received Discount on bonds purchased..... | 1,246 40 | |
| | <hr/> | \$135,363 47 |
| The Assets of the Funds are: | | |
| Registered bonds of the City of Cambridge | \$4,450 00 | |
| Registered Liberty Bonds of the United States | 111,000 00 | |
| Coupon Bonds of the United States..... | 19,000 00 | |
| Cash in Harvard Trust Co., March 31, 1921.... | 913 47 | |
| | <hr/> | |
| Amount of Fund March 31, 1921..... | | \$135,363 47 |

Cash Account

Dr.

| | | |
|---|------------|-------------|
| Cash on Hand, March 31, 1920..... | \$1,078 62 | |
| Received from owners of lots for Perpetual Care | 6,278 45 | |
| Received from owners of lots for Deed in Trust | 10 00 | |
| Received from bonds matured during the year.... | 3,300 00 | |
| Received from Interest on investments | 5,693 22 | |
| Received from Discount on bonds purchased..... | 1,246 40 | |
| | <hr/> | \$17,606 69 |

Cr.

| | | |
|---|------------|-------------|
| Paid to Cemetery Commissioners for care of lots in perpetual care | \$5,639 16 | |
| Paid for bonds purchased | 11,000 00 | |
| Paid interest accrued on bonds purchased..... | 54 06 | |
| Balance on deposit Harvard Trust Co., March 31, 1921 | 913 47 | |
| | <hr/> | \$17,606 69 |

Bond Account

| | | |
|---|--------------|--------------|
| Amount of Bonds in Fund March 31, 1920..... | \$126,750 00 | |
| Amounts of Bonds purchased | 11,000 00 | |
| | <hr/> | \$137,750 00 |
| Bonds matured during the year | 3,300 00 | |
| | <hr/> | \$134,450 00 |
| Amount of bonds in fund March 31, 1921..... | \$134,450 00 | |

List of Bonds Belonging to the Cemetery Trust Funds

| | | | | |
|--|----|-------|----------|--------------|
| City of Cambridge Registered | 4 | July | 1, 1921 | \$800 00 |
| " " " " | 4½ | July | 1, 1921 | 500 00 |
| " " " " | 4½ | March | 1, 1922 | 2,000 00 |
| " " " " | 3½ | May | 1, 1925 | 950 00 |
| " " " " | 3½ | Sept. | 1, 1932 | 200 00 |
| U. S. 3rd Liberty Loan Registered..... | 4¼ | Sept. | 15, 1928 | 120,000 00 |
| U. S. 4th Liberty Loan Coupon | 4¼ | Oct. | 15, 1938 | 10,000 00 |
| | | | <hr/> | \$134,450 00 |

William Penn Harding Fund

| | | |
|---|------------|--|
| Amount of Fund March 31, 1920..... | \$1,000 00 | |
| Received and paid to the Trustees of the Cambridge Public Library interest on fund..... | 48 05 | |
| The Pass Book of the East Cambridge Savings Bank shows that on March 31, 1921, the amount on deposit was..... | \$1,000 00 | |

John Wesley Freeze Fund

| | | |
|---|----------|--|
| Amount of the Fund March 31, 1920 | \$109 88 | |
| Interest added to deposit. | 5 25 | |
| | <hr/> | |
| Balance in Cambridgeport Savings Bank March 31, 1921..... | \$115 13 | |

Tailings Account

| | |
|---|-------------------|
| Amount of Fund March 31, 1920..... | \$4,890 22 |
| Interest received on deposit | 128 35 |
| Balance March 31, 1921 on deposit at Harvard Trust Co. | <u>\$5,018 57</u> |

Bridge Charitable Fund

| | |
|---|-------------------|
| Amount of Fund March 31, 1920 | \$2,795 83 |
| Interest for the year | \$141 51 |
| Two-thirds paid to Overseers of Poor..... | 94 34 |
| One-third added to Principal..... | 47 17 |
| Total of Fund March 31, 1921..... | <u>\$2,843 00</u> |

Sarah E. Russell Fund

| | |
|--|----------|
| Amount of Fund March 31, 1920 | \$814 41 |
| Received for Interest \$37.04 and paid to John T. Shea, Superintendent of City Home. | |

Hopkins Fund

| | |
|---|-------------------|
| Dr. | |
| March 31, 1920, balance on hand..... | \$1,213 .48 |
| Received from Treasurer of Hopkins Fund | 822 29 |
| Received from interest on deposits | 26 58 |
| | <u>\$2,062 35</u> |
| Cr. | |
| Paid City of Cambridge for tuition..... | \$320 00 |
| Paid Claire Rosenwald Prize | 15 00 |
| Paid Chitose Nishimaya | 10 00 |
| Paid Carolyn Stubbs Prize | 135 00 |
| Paid Anna Dallinger | 15 00 |
| Paid Richard D. Gerould | 100 00 |
| Paid Richard S. Chamberlain | 100 00 |
| Paid Barbara Nolen | 75 00 |
| Paid Irma H. Reed | 75 00 |
| Paid Francis X. Hurley | 75 00 |
| Paid for Supplies | 928 07 |
| | <u>\$1,848 07</u> |
| Balance on deposit at Harvard Trust Co., March 31, 1921 | 214 28 |
| | <u>\$2,062 35</u> |

City Auditor's statement of provisions of Section 1, Chapter 322, Acts of 1904.

Under the provisions of Section 1, Chapter 322, Acts of 1904, I hereby certify that I have this day examined the accounts, vouchers and securities belonging to the within Trust Funds held for public use and find them to be correct and in excellent condition.

Attest:

CHARLES H. THURSTON,

City Auditor.

The bonded City Debt matures as follows:—

Issued serially, provided for in the annual tax levy.

| | | | | |
|-------|----------|--------------------|-------|-----------|
| Apr. | 1, 1921, | Sewer Construction | . 4½s | \$500 00 |
| May | 1, 1921, | Street | . 4s | 1,500 00 |
| May | 1, 1921, | Sewer Sep. System | . 4s | 1,000 00 |
| May | 1, 1921, | Sewer | . 3½s | 500 00 |
| May | 1, 1921, | Cambridge Bridge | . 4s | 2,000 00 |
| June | 1, 1921, | Street | . 4s | 1,400 00 |
| July | 1, 1921, | Street | . 4s | 300 00 |
| July | 1, 1921, | Street | . 4s | 7,500 00 |
| July | 1, 1921, | Street | . 4s | 1,000 00 |
| July | 1, 1921, | Street | . 4s | 3,500 00 |
| July | 1, 1921, | Street | . 3½s | 2,500 00 |
| July | 1, 1921, | Street | . 4s | 2,000 00 |
| July | 1, 1921, | Building | . 4s | 4,000 00 |
| July | 1, 1921, | Sewer Sep. System | . 4s | 500 00 |
| July | 1, 1921, | Sewer | . 4s | 500 00 |
| July | 1, 1921, | Playground | . 4s | 1,500 00 |
| July | 1, 1921, | Park | . 4s | 1,000 00 |
| July | 1, 1921, | School House | . 4½s | 3,250 00 |
| July | 1, 1921, | Building | . 4½s | 5,500 00 |
| July | 1, 1921, | Street | . 4½s | 9,300 00 |
| July | 1, 1921, | Street | . 4s | 4,800 00 |
| July | 1, 1921, | Street | . 4s | 3,500 00 |
| July | 1, 1921, | Bridge | . 4s | 400 00 |
| July | 1, 1921, | Sewer Sep. System | . 4s | 1,000 00 |
| July | 1, 1921, | Park | . 4s | 1,000 00 |
| July | 1, 1921, | Street | . 4s | 500 00 |
| July | 1, 1921, | School House | . 4½s | 5,000 00 |
| July | 1, 1921, | Building | . 4½s | 4,000 00 |
| July | 1, 1921, | Sewer | . 4½s | 1,500 00 |
| July | 1, 1921, | Street | . 4½s | 3,500 00 |
| July | 1, 1921, | Street | . 4½s | 2,000 00 |
| July | 1, 1921, | Street | . 4½s | 5,300 00 |
| July | 1, 1921, | Street | . 4s | 1,000 00 |
| Aug. | 1, 1921, | Street | . 4s | 1,000 00 |
| Aug. | 1, 1921, | Street | . 4s | 12,000 00 |
| Sept. | 1, 1921, | Street | . 4s | 6,000 00 |
| Sept. | 1, 1921, | Park | . 3½s | 2,000 00 |
| Sept. | 1, 1921, | Street | . 4½s | 800 00 |
| Sept. | 1, 1921, | Hospital | . 4½s | 3,000 00 |
| Sept. | 1, 1921, | Building | . 4½s | 1,000 00 |
| Sept. | 1, 1921, | Street | . 4½s | 7,000 00 |
| Sept. | 1, 1921, | Street | . 4½s | 9,000 00 |
| Oct. | 1, 1921, | Street | . 4s | 2,750 00 |
| Oct. | 1, 1921, | Street | . 3½s | 6,350 00 |
| Oct. | 1, 1921, | Street | . 4s | 500 00 |
| Oct. | 1, 1921, | Street | . 4½s | 500 00 |
| Oct. | 1, 1921, | Street | . 4½s | 2,000 00 |
| Oct. | 1, 1921, | Street | . 4½s | 10,000 00 |
| Oct. | 1, 1921, | Street | . 4½s | 1,000 00 |
| Oct. | 1, 1921, | Street | . 4½s | 10,000 00 |
| Oct. | 1, 1921, | Street | . 4½s | 2,500 00 |
| Oct. | 1, 1921, | Street | . 4½s | 20,000 00 |
| Oct. | 1, 1921, | Sewer Construction | . 4½s | 500 00 |
| Oct. | 1, 1921, | Sewer Construction | . 4½s | 1,500 00 |

Amount carried forward\$182,150 00

Amount brought forward\$182,150 00

| | | | | |
|------|----------|-----------------------------------|-----|-----------|
| Oct. | 1, 1921, | School House | 4½s | 1,000 00 |
| Oct. | 1, 1921, | Hospital | 4½s | 8,000 00 |
| Oct. | 1, 1921, | Street | 5½s | 14,000 00 |
| Oct. | 1, 1921, | Street | 5½s | 4,000 00 |
| Oct. | 1, 1921, | Street | 5½s | 3,000 00 |
| Oct. | 1, 1921, | Street | 5½s | 4,000 00 |
| Oct. | 1, 1921, | Dept. Equipment | 5½s | 10,000 00 |
| Oct. | 1, 1921, | School House | 5s | 500 00 |
| Oct. | 1, 1921, | Street | 5s | 1,500 00 |
| Oct. | 1, 1921, | Street | 5s | 14,000 00 |
| Oct. | 1, 1921, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1921, | Hospital | 5s | 2,500 00 |
| Oct. | 1, 1921, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1921, | Sewer | 5s | 500 00 |
| Nov. | 1, 1921, | Street | 4s | 1,000 00 |
| Nov. | 1, 1921, | Sewer | 3½s | 500 00 |
| Nov. | 1, 1921, | Street | 4s | 5,000 00 |
| Dec. | 1, 1921, | Street | 4s | 700 00 |
| Dec. | 1, 1921, | Municipal | 4s | 1,000 00 |
| Dec. | 1, 1921, | Street | 4s | 400 00 |
| Dec. | 1, 1921, | Sewer Sep. System | 4s | 500 00 |
| Dec. | 1, 1921, | Dept. Equipment | 4½s | 7,000 00 |
| Dec. | 1, 1921, | Street Construction | 4½s | 20,000 00 |
| Dec. | 1, 1921, | Street Construction | 4½s | 3,250 00 |
| Dec. | 1, 1921, | Building | 4½s | 3,000 00 |
| Dec. | 1, 1921, | Sewer Construction | 4½s | 1,000 00 |
| Dec. | 1, 1921, | Sewer Construction | 4½s | 500 00 |
| Dec. | 1, 1921, | Playground | 4s | 300 00 |
| Jan. | 1, 1922, | Sewer | 4s | 500 00 |
| Jan. | 1, 1922, | School House | 4s | 3,250 00 |
| Feb. | 1, 1922, | Street | 4s | 600 00 |
| Feb. | 1, 1922, | Building (School House) | 4s | 500 00 |
| Mar. | 1, 1922, | Hospital | 4s | 4,500 00 |
| Mar. | 1, 1922, | Building (Hospital) | 4s | 2,000 00 |
| Mar. | 1, 1922, | Sewer | 4s | 500 00 |
| Apr. | 1, 1922, | Sewer Construction | 4½s | 500 00 |
| May | 1, 1922, | Street | 4s | 1,500 00 |
| May | 1, 1922, | Sewer Sep. System | 4s | 1,000 00 |
| May | 1, 1922, | Sewer | 3½s | 500 00 |
| May | 1, 1922, | Cambridge Bridge | 4s | 2,000 00 |
| July | 1, 1922, | Street | 4s | 1,000 00 |
| July | 1, 1922, | Street | 4s | 3,500 00 |
| July | 1, 1922, | Street | 3½s | 2,500 00 |
| July | 1, 1922, | Street | 4s | 2,000 00 |
| July | 1, 1922, | Building | 4s | 4,000 00 |
| July | 1, 1922, | Sewer | 4s | 500 00 |
| July | 1, 1922, | Sewer Sep. System | 4s | 500 00 |
| July | 1, 1922, | Playground | 4s | 1,500 00 |
| July | 1, 1922, | Park | 4s | 1,000 00 |
| July | 1, 1922, | School House | 4½s | 3,250 00 |
| July | 1, 1922, | Building | 4½s | 5,500 00 |
| July | 1, 1922, | Street | 4½s | 9,300 00 |
| July | 1, 1922, | Street | 4s | 4,800 00 |
| July | 1, 1922, | Street | 4s | 3,500 00 |
| July | 1, 1922, | Bridge | 4s | 400 00 |
| July | 1, 1922, | Sewer Sept. System | 4s | 1,000 00 |

Amount carried forward\$352,900 00

CITY TREASURER

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Amount brought forward\$352,900 00

| | | | | | |
|-------|----------|-------------------------|-----------|-----|-----------|
| July | 1, 1922, | Park | | 4s | 1,000 00 |
| July | 1, 1922, | Street | | 4s | 500 00 |
| July | 1, 1922, | Street | | 4½s | 2,000 00 |
| July | 1, 1922, | Street | | 4s | 1,000 00 |
| Aug. | 1, 1922, | Street | | 4s | 12,000 00 |
| Aug. | 1, 1922, | Street | | 4s | 1,000 00 |
| Sept. | 1, 1922, | Street | | 4s | 6,000 00 |
| Sept. | 1, 1922, | Street | | 4½s | 800 00 |
| Sept. | 1, 1922, | Hospital | | 4½s | 3,000 00 |
| Sept. | 1, 1922, | Park | | 3½s | 2,000 00 |
| Sept. | 1, 1922, | Building | | 4½ | 1,000 00 |
| Sept. | 1, 1922, | Street | | 4½s | 7,000 00 |
| Oct. | 1, 1922, | Street | | 4s | 2,750 00 |
| Oct. | 1, 1922, | Street | | 3½s | 6,350 00 |
| Oct. | 1, 1922, | Street | | 4s | 500 00 |
| Oct. | 1, 1922, | Street | | 4½s | 500 00 |
| Oct. | 1, 1922, | Street | | 4½s | 2,000 00 |
| Oct. | 1, 1922, | Street | | 4½s | 10,000 00 |
| Oct. | 1, 1922, | Street | | 4½s | 1,000 00 |
| Oct. | 1, 1922, | Street | | 4½s | 10,000 00 |
| Oct. | 1, 1922, | Street | | 4½s | 2,500 00 |
| Oct. | 1, 1922, | Street | | 4½s | 20,000 00 |
| Oct. | 1, 1922, | Sewer Construction | | 4½s | 500 00 |
| Oct. | 1, 1922, | Sewer Construction | | 4½s | 1,500 00 |
| Oct. | 1, 1922, | School House | | 4½s | 1,000 00 |
| Oct. | 1, 1922, | Hospital | | 4½s | 8,000 00 |
| Oct. | 1, 1922, | Street | | 5½s | 14,000 00 |
| Oct. | 1, 1922, | Street | | 5½s | 4,000 00 |
| Oct. | 1, 1922, | Street | | 5½s | 3,000 00 |
| Oct. | 1, 1922, | Street | | 5½s | 4,000 00 |
| Oct. | 1, 1922, | Dept. Equipment | | 5½s | 10,000 0 |
| Oct. | 1, 1922, | School House | | 5s | 500 00 |
| Oct. | 1, 1922, | Street | | 5s | 1,500 00 |
| Oct. | 1, 1922, | Street | | 5s | 14,000 00 |
| Oct. | 1, 1922, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1922, | Hospital | | 5s | 2,500 00 |
| Oct. | 1, 1922, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1922, | Sewer | | 5s | 500 00 |
| Nov. | 1, 1922, | Sewer | | 3½s | 500 00 |
| Nov. | 1, 1922, | Street | | 4s | 5,000 00 |
| Dec. | 1, 1922, | Street | | 4s | 700 00 |
| Dec. | 1, 1922, | Municipal | | 4s | 1,000 00 |
| Dec. | 1, 1922, | Street | | 4s | 400 00 |
| Dec. | 1, 1922, | Sewer Sep. System | | 4s | 500 00 |
| Dec. | 1, 1922, | Dept. Equipment | | 4½s | 7,000 00 |
| Dec. | 1, 1922, | Street Cons't | | 4½s | 20,000 00 |
| Dec. | 1, 1922, | Street Cons't | | 4½s | 3,250 00 |
| Dec. | 1, 1922, | Building | | 4½s | 3,000 00 |
| Dec. | 1, 1922, | Sewer Cons't | | 4½s | 1,000 00 |
| Dec. | 1, 1922, | Sewer Cons't | | 4½s | 500 00 |
| Dec. | 1, 1922, | Playground | | 4s | 300 00 |
| Jan. | 1, 1923, | Sewer | | 4s | 500 00 |
| Jan. | 1, 1923, | School House | | 4s | 3,250 00 |
| Feb. | 1, 1923, | Street | | 4s | 600 00 |
| Feb. | 1, 1923, | Building (School House) | | 4s | 500 00 |
| Mar. | 1, 1923, | Hospital | | 4s | 4,500 00 |

Amount carried forward.....\$565,300 00

Amount brought forward\$565,300 00

| | | | | |
|-------|----------|-----------------------|-----|-----------|
| Mar. | 1, 1923, | Building (Hospital) . | 4s | 2,000 00 |
| Mar. | 1, 1923, | Sewer | 4s | 500 00 |
| Apr. | 1, 1923, | Sewer Construction . | 4½s | 500 00 |
| May | 1, 1923, | Sewer Sep. System . | 4s | 1,000 00 |
| May | 1, 1923, | Sewer | 3½s | 500 00 |
| May | 1, 1923, | Cambridge Bridge . | 4s | 2,000 00 |
| July | 1, 1923, | Sewer | 4s | 500 00 |
| July | 1, 1923, | Street | 4s | 3,500 00 |
| July | 1, 1923, | Street | 3½s | 2,500 00 |
| July | 1, 1923, | Street | 4s | 2,000 00 |
| July | 1, 1923, | Building | 4s | 4,000 00 |
| July | 1, 1923, | Sewer Sep. System . | 4s | 500 00 |
| July | 1, 1923, | Playground | 4s | 1,500 00 |
| July | 1, 1923, | Park | 4s | 1,000 00 |
| July | 1, 1923, | School House | 4½s | 3,250 00 |
| July | 1, 1923, | Building | 4½s | 5,500 00 |
| July | 1, 1923, | Street | 4½s | 8,000 00 |
| July | 1, 1923, | Street | 4s | 4,800 00 |
| July | 1, 1923, | Street | 4s | 1,000 00 |
| July | 1, 1923, | Street | 4s | 3,500 00 |
| July | 1, 1923, | Bridge | 4s | 400 00 |
| July | 1, 1923, | Sewer | 4s | 1,000 00 |
| July | 1, 1923, | Park | 4s | 1,000 00 |
| July | 1, 1923, | Street | 4s | 500 00 |
| July | 1, 1923, | Street | 4½s | 2,000 00 |
| Aug. | 1, 1923, | Street | 4s | 12,000 00 |
| Sept. | 1, 1923, | Street | 4s | 6,000 00 |
| Sept. | 1, 1923, | Park | 3½s | 2,000 00 |
| Sept. | 1, 1923, | Street | 4½s | 800 00 |
| Sept. | 1, 1923, | Hospital | 4½s | 3,000 00 |
| Sept. | 1, 1923, | Building | 4½s | 1,000 00 |
| Sept. | 1, 1923, | Street | 4½s | 2,000 00 |
| Oct. | 1, 1923, | Street | 4s | 2,750 00 |
| Oct. | 1, 1923, | Street | 3½s | 6,350 00 |
| Oct. | 1, 1923, | Street | 4s | 500 00 |
| Oct. | 1, 1923, | Street | 4½s | 500 00 |
| Oct. | 1, 1923, | Street | 4½s | 2,000 00 |
| Oct. | 1, 1923, | Street | 4½s | 10,000 00 |
| Oct. | 1, 1923, | Street | 4½s | 1,000 00 |
| Oct. | 1, 1923, | Street | 4½s | 10,000 00 |
| Oct. | 1, 1923, | Street | 4½s | 2,500 00 |
| Oct. | 1, 1923, | Street | 4½s | 20,000 00 |
| Oct. | 1, 1923, | Sewer Construction . | 4½s | 500 00 |
| Oct. | 1, 1923, | Sewer Construction . | 4½s | 1,500 00 |
| Oct. | 1, 1923, | School House | 4½s | 1,000 00 |
| Oct. | 1, 1923, | Hospital | 4½s | 8,000 00 |
| Oct. | 1, 1923, | Street | 5½s | 14,000 00 |
| Oct. | 1, 1923, | Street | 5½s | 4,000 00 |
| Oct. | 1, 1923, | Street | 5½s | 3,000 00 |
| Oct. | 1, 1923, | Street | 5½s | 4,000 00 |
| Oct. | 1, 1923, | Dept. Equipment . . | 5½s | 10,000 00 |
| Oct. | 1, 1923, | School House | 5s | 500 00 |
| Oct. | 1, 1923, | Street | 5s | 1,500 00 |
| Oct. | 1, 1923, | Street | 5s | 14,000 00 |
| Oct. | 1, 1923, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1923, | Hospital | 5s | 2,500 00 |

Amount carried forward\$766,150 00

Amount brought forward\$766,150 00

| | | | | | |
|-------|----------|---------------------|-----------|-----|-----------|
| Oct. | 1, 1923, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1923, | Sewer | | 5s | 500 00 |
| Nov. | 1, 1923, | Sewer | | 3½s | 500 00 |
| Nov. | 1, 1923, | Street | | 4s | 5,000 00 |
| Dec. | 1, 1923, | Street | | 4s | 700 00 |
| Dec. | 1, 1923, | Municipal | | 4s | 1,000 00 |
| Dec. | 1, 1923, | Street | | 4s | 400 00 |
| Dec. | 1, 1923, | Sewer Sep. System | | 4s | 500 00 |
| Dec. | 1, 1923, | Dept. Equipment | | 4½s | 7,000 00 |
| Dec. | 1, 1923, | Street Construction | | 4½s | 20,000 00 |
| Dec. | 1, 1923, | Street Construction | | 4½s | 3,250 00 |
| Dec. | 1, 1923, | Sewer Construction | | 4½s | 1,000 00 |
| Dec. | 1, 1923, | Building | | 4½s | 3,000 00 |
| Dec. | 1, 1923, | Sewer Construction | | 4½s | 500 00 |
| Dec. | 1, 1923, | Playground | | 4s | 300 00 |
| Jan. | 1, 1924, | Sewer | | 4s | 500 00 |
| Jan. | 1, 1924, | School House | | 4s | 3,250 00 |
| Feb. | 1, 1924, | Street | | 4s | 600 00 |
| Feb. | 1, 1924, | Sewer | | 4s | 500 00 |
| Mar. | 1, 1924, | Hospital | | 4s | 4,500 00 |
| Mar. | 1, 1924, | Building (Hospital | | 4s | 2,000 00 |
| Mar. | 1, 1924, | Sewer | | 4s | 500 00 |
| Apr. | 1, 1924, | Sewer Construction | | 4½s | 500 00 |
| May | 1, 1924, | Sewer Sep. System | | 4s | 1,000 00 |
| May | 1, 1924, | Sewer | | 3½s | 500 00 |
| May | 1, 1924, | Cambridge Bridge | | 4s | 2,000 00 |
| July | 1, 1924, | Street | | 4s | 1,000 00 |
| July | 1, 1924, | Street | | 4s | 3,500 00 |
| July | 1, 1924, | Street | | 3½s | 2,500 00 |
| July | 1, 1924, | Street | | 4s | 2,000 00 |
| July | 1, 1924, | Building | | 4s | 4,000 00 |
| July | 1, 1924, | Sewer | | 4s | 500 00 |
| July | 1, 1924, | Sewer Sep. System | | 4s | 500 00 |
| July | 1, 1924, | Playground | | 4s | 1,500 00 |
| July | 1, 1924, | Park | | 4s | 1,000 00 |
| July | 1, 1924, | School House | | 4½s | 3,250 00 |
| July | 1, 1924, | Street | | 4½s | 2,000 00 |
| July | 1, 1924, | Street | | 4s | 4,800 00 |
| July | 1, 1924, | Street | | 4s | 3,500 00 |
| July | 1, 1924, | Bridge | | 4s | 400 00 |
| July | 1, 1924, | Sewer Sep. System | | 4s | 1,000 00 |
| July | 1, 1924, | Park | | 4s | 1,000 00 |
| July | 1, 1924, | Street | | 4s | 500 00 |
| July | 1, 1924, | School House | | 4½s | 5,000 00 |
| July | 1, 1924, | Building | | 4½s | 4,000 00 |
| July | 1, 1924, | Sewer | | 4½s | 1,500 00 |
| Aug. | 1, 1924, | Street | | 4s | 12,000 00 |
| Sept. | 1, 1924, | Street | | 4s | 6,000 00 |
| Sept. | 1, 1924, | Park | | 3½s | 2,000 00 |
| Sept. | 1, 1924, | Street | | 4½s | 800 00 |
| Sept. | 1, 1924, | Hospital | | 4½s | 3,000 00 |
| Sept. | 1, 1924, | Building | | 4½s | 1,000 00 |
| Sept. | 1, 1924, | Street | | 4½s | 2,000 00 |
| Oct. | 1, 1924, | Street | | 4s | 2,750 00 |
| Oct. | 1, 1924, | Street | | 3½s | 6,350 00 |
| Oct. | 1, 1924, | Street | | 4s | 500 00 |

Amount carried forward\$906,500 00

Amount brought forward\$906,500 00

| | | | | | |
|------|----------|-------------------------|-----------|-----|-----------|
| Oct. | 1, 1924, | Street | | 4½s | 500 00 |
| Oct. | 1, 1924, | Street | | 4½s | 2,000 00 |
| Oct. | 1, 1924, | Street | | 4½s | 10,000 00 |
| Oct. | 1, 1924, | Street | | 4½s | 1,000 00 |
| Oct. | 1, 1924, | Street | | 4½s | 10,000 00 |
| Oct. | 1, 1924, | Street | | 4½s | 2,500 00 |
| Oct. | 1, 1924, | Street | | 4½s | 20,000 00 |
| Oct. | 1, 1924, | Sewer Construction | | 4½s | 500 00 |
| Oct. | 1, 1924, | Sewer Construction | | 4½s | 1,500 00 |
| Oct. | 1, 1924, | School House | | 4½s | 1,000 00 |
| Oct. | 1, 1924, | Hospital | | 4½s | 8,000 00 |
| Oct. | 1, 1924, | Street | | 5½s | 14,000 00 |
| Oct. | 1, 1924, | Street | | 5½s | 4,000 00 |
| Oct. | 1, 1924, | Street | | 5½s | 2,000 00 |
| Oct. | 1, 1924, | Street | | 5½s | 4,000 00 |
| Oct. | 1, 1924, | Dept. Equipment | | 5½s | 10,000 00 |
| Oct. | 1, 1924, | School House | | 5s | 500 00 |
| Oct. | 1, 1924, | Street | | 5s | 1,500 00 |
| Oct. | 1, 1924, | Street | | 5s | 14,000 00 |
| Oct. | 1, 1924, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1924, | Hospital | | 5s | 2,500 00 |
| Oct. | 1, 1924, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1924, | Sewer | | 5s | 500 00 |
| Nov. | 1, 1924, | Sewer | | 3½s | 500 00 |
| Nov. | 1, 1924, | Street | | 4s | 5,000 00 |
| Dec. | 1, 1924, | Street | | 4s | 700 00 |
| Dec. | 1, 1924, | Street | | 4s | 400 00 |
| Dec. | 1, 1924, | Sewer | | 4s | 500 00 |
| Dec. | 1, 1924, | Street Construction | | 4½s | 3,250 00 |
| Dec. | 1, 1924, | Building | | 4½s | 3,000 00 |
| Dec. | 1, 1924, | Sewer Construction | | 4½s | 1,000 00 |
| Dec. | 1, 1924, | Sewer Construction | | 4½s | 500 00 |
| Dec. | 1, 1924, | Playground | | 4s | 300 00 |
| Jan. | 1, 1925, | Sewer | | 4s | 500 00 |
| Jan. | 1, 1925, | Street | | 4s | 3,250 00 |
| Feb. | 1, 1925, | Street | | 4s | 600 00 |
| Feb. | 1, 1925, | Building (School House) | | 4s | 500 00 |
| Mar. | 1, 1925, | Hospital | | 4s | 4,500 00 |
| Mar. | 1, 1925, | Building (Hospital) | | 4s | 2,000 00 |
| Mar. | 1, 1925, | Sewer | | 4s | 500 00 |
| Apr. | 1, 1925, | Sewer Construction | | 4½s | 500 00 |
| May | 1, 1925, | Sewer Sep. System | | 4s | 1,000 00 |
| May | 1, 1925, | Sewer | | 3½s | 500 00 |
| May | 1, 1925, | Cambridge Bridge | | 4s | 2,000 00 |
| July | 1, 1925, | Street | | 4s | 1,000 00 |
| July | 1, 1925, | Street | | 4s | 3,500 00 |
| July | 1, 1925, | Street | | 3½s | 1,000 00 |
| July | 1, 1925, | Street | | 4s | 2,000 00 |
| July | 1, 1925, | Building | | 4s | 4,000 00 |
| July | 1, 1925, | Sewer | | 4s | 500 00 |
| July | 1, 1925, | Sewer Sep. System | | 4s | 500 00 |
| July | 1, 1925, | Playground | | 4s | 1,500 00 |
| July | 1, 1925, | Park | | 4s | 1,000 00 |
| July | 1, 1925, | School House | | 4½s | 3,250 00 |
| July | 1, 1925, | Street | | 4½s | 2,000 00 |
| July | 1, 1925, | Bridge | | 4s | 400 00 |

Amount carried forward\$1,070,150 00

Amount brought forward\$1,070,150 00

| | | | | |
|-------|----------|-----------------------------------|-----|-----------|
| July | 1, 1925. | Sewer Sep. System | 4s | 1,000 00 |
| July | 1, 1925, | Park | 4s | 1,000 00 |
| July | 1, 1925, | School House | 4½s | 5,000 00 |
| July | 1, 1925. | Building | 4½s | 4,000 00 |
| July | 1, 1925, | Sewer | 4½s | 1,500 00 |
| Sept. | 1, 1925, | Building | 4½s | 1,000 00 |
| Sept. | 1, 1925, | Street | 4½s | 2,000 00 |
| Sept. | 1, 1925, | Street | 4s | 6,000 00 |
| Sept. | 1, 1925, | Park | 3½s | 2,000 00 |
| Sept. | 1, 1925, | Hospital | 4½s | 3,000 00 |
| Oct. | 1, 1925, | Street | 4s | 2,750 00 |
| Oct. | 1, 1925, | Street | 3½s | 6,350 00 |
| Oct. | 1, 1925, | Street | 4s | 500 00 |
| Oct. | 1, 1925, | Street | 4½s | 10,000 00 |
| Oct. | 1, 1925, | Street | 4½s | 2,500 00 |
| Oct. | 1, 1925, | Street | 4½s | 20,000 00 |
| Oct. | 1, 1925, | Sewer Construction | 4½s | 500 00 |
| Oct. | 1, 1925, | Sewer Construction | 4½s | 1,500 00 |
| Oct. | 1, 1925, | School House | 4½s | 1,000 00 |
| Oct. | 1, 1925, | Hospital | 4½s | 8,000 00 |
| Oct. | 1, 1925, | Street | 5½s | 14,000 00 |
| Oct. | 1, 1925, | Street | 5½s | 4,000 00 |
| Oct. | 1, 1925, | Street | 5½s | 2,000 00 |
| Oct. | 1, 1925, | Street | 5½s | 4,000 00 |
| Oct. | 1, 1925, | Dept. Equipment | 5½s | 10,000 00 |
| Oct. | 1, 1925, | School House | 5s | 500 00 |
| Oct. | 1, 1925, | Street | 5s | 1,500 00 |
| Oct. | 1, 1925. | Street | 5s | 14,000 00 |
| Oct. | 1, 1925. | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1925. | Hospital | 5s | 2,500 00 |
| Oct. | 1, 1925, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1925. | Sewer | 5s | 500 00 |
| Nov. | 1, 1925. | Sewer | 3½s | 500 00 |
| Nov. | 1, 1925, | Street | 4s | 5,000 00 |
| Dec. | 1, 1925, | Sewer Sep. System | 4s | 500 00 |
| Dec. | 1, 1925, | Street | 4s | 700 00 |
| Dec. | 1, 1925, | Street Construction | 4½s | 3,250 00 |
| Dec. | 1, 1925, | Building | 4½s | 3,000 00 |
| Dec. | 1, 1925, | Sewer Construction | 4½s | 1,000 00 |
| Dec. | 1, 1925, | Sewer Construction | 4½s | 500 00 |
| Dec. | 1, 1925, | Playground | 4s | 300 00 |
| Jan. | 1, 1926, | Sewer | 4s | 500 00 |
| Jan. | 1, 1926, | Street | 4s | 3,250 00 |
| Feb. | 1, 1926, | Street | 4s | 600 00 |
| Feb. | 1, 1926, | Building (School House) | 4s | 500 00 |
| Mar. | 1, 1926, | Hospital | 4s | 4,500 00 |
| Mar. | 1, 1926, | Building (Hospital) | 4s | 2,000 00 |
| Mar. | 1, 1926, | Sewer | 4s | 500 00 |
| Apr. | 1, 1926, | Sewer Construction | 4½s | 500 00 |
| May | 1, 1926, | Sewer Sep. System | 4s | 1,000 00 |
| May | 1, 1926, | Sewer | 3½s | 500 00 |
| May | 1, 1926, | Cambridge Bridge | 4s | 2,000 00 |
| July | 1, 1926, | Street | 4s | 3,500 00 |
| July | 1, 1926, | Street | 3½s | 1,000 00 |
| July | 1, 1926, | Building | 4s | 4,000 00 |
| July | 1, 1926, | School House | 4½s | 5,000 00 |

Amount carried forward\$1,248,850 00

Amount brought forward\$1,248,850 00

| | | | | | |
|-------|----------|-------------------------|-----------|-----|-----------|
| July | 1, 1926, | Building | | 4½s | 4,000 00 |
| July | 1, 1926, | Sewer | | 4½s | 1,500 00 |
| July | 1, 1926, | Sewer | | 4s | 500 00 |
| July | 1, 1926, | Sewer Sep. System | | 4s | 500 00 |
| July | 1, 1926, | Playground | | 4s | 1,000 00 |
| July | 1, 1926, | Park | | 4s | 1,000 00 |
| July | 1, 1926, | School House | | 4½s | 3,250 00 |
| July | 1, 1926, | Street | | 4½s | 2,000 00 |
| July | 1, 1926, | Bridge | | 4s | 400 00 |
| July | 1, 1926, | Sewer Sep. System | | 4s | 1,000 00 |
| July | 1, 1926, | Park | | 4s | 1,000 00 |
| Sept. | 1, 1926, | Hospital | | 4½s | 3,000 00 |
| Sept. | 1, 1926, | Park | | 3½s | 2,000 00 |
| Sept. | 1, 1926, | Building | | 4½s | 1,000 00 |
| Sept. | 1, 1926, | Street | | 4½s | 2,000 00 |
| Oct. | 1, 1926, | Street | | 4s | 2,750 00 |
| Oct. | 1, 1926, | Street | | 3½s | 6,350 00 |
| Oct. | 1, 1926, | Street | | 4½s | 10,000 00 |
| Oct. | 1, 1926, | Street | | 4½s | 2,500 00 |
| Oct. | 1, 1926, | Street | | 4½s | 20,000 00 |
| Oct. | 1, 1926, | Sewer Construction | | 4½s | 500 00 |
| Oct. | 1, 1926, | Sewer Construction | | 4½s | 1,500 00 |
| Oct. | 1, 1926, | School House | | 4½s | 1,000 00 |
| Oct. | 1, 1926, | Hospital | | 4½s | 8,000 00 |
| Oct. | 1, 1926, | School House | | 5s | 500 00 |
| Oct. | 1, 1926, | Street | | 5s | 1,500 00 |
| Oct. | 1, 1926, | Street | | 5s | 14,000 00 |
| Oct. | 1, 1926, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1926, | Hospital | | 5s | 2,500 00 |
| Oct. | 1, 1926, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1926, | Sewer | | 5s | 500 00 |
| Nov. | 1, 1926, | Sewer | | 3½s | 500 00 |
| Dec. | 1, 1926, | Sewer Sep. System | | 4s | 500 00 |
| Dec. | 1, 1926, | Street Construction | | 4½s | 3,250 00 |
| Dec. | 1, 1926, | Building | | 4½s | 3,000 00 |
| Dec. | 1, 1926, | Sewer Construction | | 4½s | 1,000 00 |
| Dec. | 1, 1926, | Sewer Construction | | 4½s | 500 00 |
| Dec. | 1, 1926, | Playground | | 4s | 300 00 |
| Jan, | 1, 1927, | Sewer | | 4s | 500 00 |
| Jan, | 1, 1927, | School House | | 4s | 3,250 00 |
| Feb. | 1, 1927, | Building (School House) | | 4s | 500 00 |
| Mar. | 1, 1927, | Hospital | | 4s | 4,500 00 |
| Mar. | 1, 1927, | Building (Hospital) | | 4s | 2,000 00 |
| Apr. | 1, 1927, | Sewer Construction | | 4½s | 500 00 |
| May | 1, 1927, | Sewer | | 3½s | 500 00 |
| May | 1, 1927, | Cambridge Bridge | | 4s | 2,000 00 |
| July | 1, 1927, | Building | | 4s | 4,000 00 |
| July | 1, 1927, | Sewer | | 4s | 500 00 |
| July | 1, 1927, | Sewer Sep System | | 4s | 500 00 |
| July | 1, 1927, | Playground | | 4s | 1,000 00 |
| July | 1, 1927, | Park | | 4s | 1,000 00 |
| July | 1, 1927, | School House | | 4½s | 3,250 00 |
| July | 1, 1927, | Street | | 4½s | 2,000 00 |
| July | 1, 1927, | Bridge | | 4s | 400 00 |
| July | 1, 1927, | Sewer Sep. System | | 4s | 1,000 00 |
| July | 1, 1927, | Park | | 4s | 1,000 00 |

Amount carried forward\$1,384,050 00

Amount brought forward\$1,384,050 00

| | | | | | |
|-------|----------|-------------------------|-----------|-----|-----------|
| July | 1, 1927, | School House | | 4½s | 5,000 00 |
| July | 1, 1927, | Building | | 4½s | 4,000 00 |
| July | 1, 1927, | Sewer | | 4½s | 1,500 00 |
| Sept. | 1, 1927, | Building | | 4½s | 1,000 00 |
| Sept. | 1, 1927, | Street | | 4½s | 2,000 00 |
| Sept. | 1, 1927, | Park | | 3½s | 2,000 00 |
| Sept. | 1, 1927, | Hospital | | 4½s | 3,000 00 |
| Oct. | 1, 1927, | Street | | 4½s | 10,000 00 |
| Oct. | 1, 1927, | Street | | 4½s | 2,500 00 |
| Oct. | 1, 1927, | Street | | 4½s | 20,000 00 |
| Oct. | 1, 1927, | Sewer Construction | | 4½s | 500 00 |
| Oct. | 1, 1927, | Sewer Construction | | 4½s | 1,500 00 |
| Oct. | 1, 1927, | School House | | 4½s | 1,000 00 |
| Oct. | 1, 1927, | Hospital | | 4½s | 8,000 00 |
| Oct. | 1, 1927, | School House | | 5s | 500 00 |
| Oct. | 1, 1927, | Street | | 5s | 1,500 00 |
| Oct. | 1, 1927, | Street | | 5s | 14,000 00 |
| Oct. | 1, 1927, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1927, | Hospital | | 5s | 2,500 00 |
| Oct. | 1, 1927, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1927, | Sewer | | 5s | 500 00 |
| Nov. | 1, 1927, | Sewer | | 3½s | 500 00 |
| Dec. | 1, 1927, | Sewer Sep. System | | 4s | 500 00 |
| Dec. | 1, 1927, | Street Construction | | 4½s | 3,250 00 |
| Dec. | 1, 1927, | Building | | 4½s | 3,000 00 |
| Dec. | 1, 1927, | Sewer Construction | | 4½s | 1,000 00 |
| Dec. | 1, 1927, | Sewer Construction | | 4½s | 500 00 |
| Dec. | 1, 1927, | Playground | | 4s | 300 00 |
| Jan. | 1, 1928, | Sewer | | 4s | 500 00 |
| Jan. | 1, 1928, | School House | | 4s | 3,250 00 |
| Feb. | 1, 1928, | Building (School House) | | 4s | 500 00 |
| Mar. | 1, 1928, | Hospital | | 4s | 4,500 00 |
| Mar. | 1, 1928, | Building (Hospital) | | 4s | 2,000 00 |
| Apr. | 1, 1928, | Sewer Construction | | 4½s | 500 00 |
| May | 1, 1928, | Sewer | | 3½s | 500 00 |
| May | 1, 1928, | Cambridge Bridge | | 4s | 2,000 00 |
| July | 1, 1928, | Building | | 4s | 4,000 00 |
| July | 1, 1928, | Sewer | | 4s | 500 00 |
| July | 1, 1928, | Sewer Sep. System | | 4s | 500 00 |
| July | 1, 1928, | Playground | | 4s | 1,000 00 |
| July | 1, 1928, | Park | | 4s | 1,000 00 |
| July | 1, 1928, | School House | | 4½s | 3,250 00 |
| July | 1, 1928, | Street | | 4½s | 2,000 00 |
| July | 1, 1928, | Bridge | | 4s | 400 00 |
| July | 1, 1928, | Sewer Sep. System | | 4s | 1,000 00 |
| July | 1, 1928, | Park | | 4s | 1,000 00 |
| July | 1, 1928, | School House | | 4½s | 5,000 00 |
| July | 1, 1928, | Building | | 4½s | 4,000 00 |
| July | 1, 1928, | Sewer | | 4½s | 1,000 00 |
| Sept. | 1, 1928, | Building | | 4½s | 1,000 00 |
| Sept. | 1, 1928, | Park | | 3½s | 2,000 00 |
| Sept. | 1, 1928, | Hospital | | 4½s | 3,000 00 |
| Oct. | 1, 1928, | Street | | 4½s | 10,000 00 |
| Oct. | 1, 1928, | Street | | 4½s | 2,500 00 |
| Oct. | 1, 1928, | Street | | 4½s | 10,000 00 |
| Oct. | 1, 1928, | Sewer Construction | | 4½s | 500 00 |

Amount carried forward\$1,543,500 00

Amount brought forward\$1,543,500 00

| | | | | |
|-------|----------|--------------------------|-------|-----------|
| Oct. | 1, 1928, | Sewer Construction | . 4½s | 1,500 00 |
| Oct. | 1, 1928, | School Hoose . . . | . 4½s | 1,000 00 |
| Oct. | 1, 1928, | Hospital | . 4½s | 8,000 00 |
| Oct. | 1, 1928, | Street | . 5s | 1,500 00 |
| Oct. | 1, 1928, | Street | . 5s | 14,000 00 |
| Oct. | 1, 1928, | Sewer | . 5s | 1,000 00 |
| Oct. | 1, 1928, | Hospital | . 5s | 2,500 00 |
| Oct. | 1, 1928, | Sewer | . 5s | 1,000 00 |
| Oct. | 1, 1928, | Sewer | . 5s | 500 00 |
| Nov. | 1, 1928, | Sewer | . 3½s | 500 00 |
| Dec. | 1, 1928, | Sewer Sep. System . . | . 4s | 500 00 |
| Dec. | 1, 1928, | Street Construction . . | . 4½s | 3,250 00 |
| Dec. | 1, 1928, | Building | . 4½s | 3,000 00 |
| Dec. | 1, 1928, | Sewer Construction . . | . 4½s | 1,000 00 |
| Dec. | 1, 1928, | Sewer Construction . . | . 4½s | 500 00 |
| Dec. | 1, 1928, | Playground | . 4s | 300 00 |
| Jan. | 1, 1929, | Sewer | . 4s | 500 00 |
| Jan. | 1, 1929, | School House | . 4s | 3,250 00 |
| Feb. | 1, 1929, | Building (School House) | . 4s | 500 00 |
| Mar. | 1, 1929, | Hospital | . 4s | 4,500 00 |
| Mar. | 1, 1929, | Building (Hospital) . . | . 4s | 2,000 00 |
| Apr. | 1, 1929, | Sewer Construction . . | . 4½s | 500 00 |
| May | 1, 1929, | Sewer | . 3½s | 500 00 |
| May | 1, 1929, | Cambridge Bridge . . . | . 4s | 2,000 00 |
| July | 1, 1929, | Building | . 4s | 4,000 00 |
| July | 1, 1929, | Sewer | . 4s | 500 00 |
| July | 1, 1929, | Sewer Sep. System . . . | . 4s | 500 00 |
| July | 1, 1929, | Playground | . 4s | 1,000 00 |
| July | 1, 1929, | Park | . 4s | 1,000 00 |
| July | 1, 1929, | School House | . 4½s | 3,250 00 |
| July | 1, 1929, | Street | . 4½s | 2,000 00 |
| July | 1, 1929, | Bridge | . 4s | 400 00 |
| July | 1, 1929, | Sewer Sep. System . . . | . 4s | 1,000 00 |
| July | 1, 1929, | Park | . 4s | 1,000 00 |
| July | 1, 1929, | School House | . 4½s | 5,000 00 |
| July | 1, 1929, | Building | . 4½s | 4,000 00 |
| July | 1, 1929, | Sewer | . 4½s | 1,000 00 |
| Sept. | 1, 1929, | Building | . 4½s | 1,000 00 |
| Sept. | 1, 1929, | Park | . 3½s | 2,000 00 |
| Sept. | 1, 1929, | Hospital | . 4½s | 3,000 00 |
| Oct. | 1, 1929, | Street | . 4½s | 10,000 00 |
| Oct. | 1, 1929, | Street | . 4½s | 2,500 00 |
| Oct. | 1, 1929, | Street | . 4½s | 10,000 00 |
| Oct. | 1, 1929, | Sewer Construction . . . | . 4½s | 500 00 |
| Oct. | 1, 1929, | Sewer Construction . . . | . 4½s | 1,500 00 |
| Oct. | 1, 1929, | School House | . 4½s | 1,000 00 |
| Oct. | 1, 1929, | Hospital | . 4½s | 8,000 00 |
| Oct. | 1, 1929, | Street | . 5s | 1,500 00 |
| Oct. | 1, 1929, | Street | . 5s | 14,000 00 |
| Oct. | 1, 1929, | Sewer | . 5s | 1,000 00 |
| Oct. | 1, 1929, | Hospital | . 5s | 2,500 00 |
| Oct. | 1, 1929, | Sewer | . 5s | 1,000 00 |
| Oct. | 1, 1929, | Sewer | . 5s | 500 00 |
| Nov. | 1, 1929, | Sewer | . 3½s | 500 00 |
| Dec. | 1, 1929, | Sewer Sep. System . . . | . 4s | 500 00 |
| Dec. | 1, 1929, | Sewer Construction . . . | . 4½s | 1,000 00 |

Amount carried forward\$1,683,950 00

Amount brought forward\$1,683,950 00

| | | | | |
|-------|----------|-------------------------|-------|-----------|
| Dec. | 1, 1929, | Sewer Construction | . 4½s | 500 00 |
| Dec. | 1, 1929, | Playground | . 4s | 300 00 |
| Jan. | 1, 1930, | Sewer | . 4s | 500 00 |
| Jan. | 1, 1930, | School House | . 4s | 3,250 00 |
| Feb. | 1, 1930, | Building (School House) | 4s | 500 00 |
| Mar. | 1, 1930, | Hospital | . 4s | 4,500 00 |
| Mar. | 1, 1930, | Building (Hospital) | . 4s | 2,000 00 |
| Apr. | 1, 1930, | Sewer Construction | . 4½s | 500 00 |
| May | 1, 1930, | Sewer | . 3½s | 500 00 |
| May | 1, 1930, | Cambridge Bridge | . 4s | 2,000 00 |
| July | 1, 1930, | Building | . 4s | 4,000 00 |
| July | 1, 1930, | Sewer | . 4s | 500 00 |
| July | 1, 1930, | Sewer Sep. System | . 4s | 500 00 |
| July | 1, 1930, | Playground | . 4s | 1,000 00 |
| July | 1, 1930, | Park | . 4s | 1,000 00 |
| July | 1, 1930, | School House | . 4½s | 3,250 00 |
| July | 1, 1930, | Street | . 4½s | 2,000 00 |
| July | 1, 1930, | Bridge | . 4s | 400 00 |
| July | 1, 1930, | Sewer Sep. System | . 4s | 1,000 00 |
| July | 1, 1930, | Park | . 4s | 1,000 00 |
| July | 2, 1930, | Building | . 4½s | 1,000 00 |
| Sept. | 1, 1930, | Building | . 4½s | 1,000 00 |
| Sept. | 1, 1930, | Park | . 3½s | 2,000 00 |
| Sept. | 1, 1930, | Hospital | . 4½s | 3,000 00 |
| Oct. | 1, 1930, | Sewer Construction | . 4½s | 500 00 |
| Oct. | 1, 1930, | Sewer Construction | . 4½s | 1,500 00 |
| Oct. | 1, 1930, | School House | . 4½s | 1,000 00 |
| Oct. | 1, 1930, | Hospital | . 4½s | 8,000 00 |
| Oct. | 1, 1930, | Street | . 5s | 1,500 00 |
| Oct. | 1, 1930, | Street | . 5s | 14,000 00 |
| Oct. | 1, 1930, | Sewer | . 5s | 1,000 00 |
| Oct. | 1, 1930, | Hospital | . 5s | 2,500 00 |
| Oct. | 1, 1930, | Sewer | . 5s | 1,000 00 |
| Oct. | 1, 1930, | Sewer | . 5s | 500 00 |
| Nov. | 1, 1930, | Sewer | . 3½s | 500 00 |
| Dec. | 1, 1930, | Sewer Sep. System | . 4s | 500 00 |
| Dec. | 1, 1930, | Sewer Construction | . 4½s | 1,000 00 |
| Dec. | 1, 1930, | Sewer Construction | . 4½s | 500 00 |
| Dec. | 1, 1930, | Playground | . 4s | 300 00 |
| Jan. | 1, 1931, | Sewer | . 4s | 500 00 |
| Jan. | 1, 1931, | School House | . 4s | 3,250 00 |
| Feb. | 1, 1931, | Building (School House) | 4s | 500 00 |
| Mar. | 1, 1931, | Hospital | . 4s | 4,500 00 |
| Mar. | 1, 1931, | Building (Hospital) | . 4s | 2,000 00 |
| Apr. | 1, 1931, | Sewer Construction | . 4½s | 500 00 |
| May | 1, 1931, | Sewer | . 3½s | 500 00 |
| May | 1, 1931, | Cambridge Bridge | . 4s | 2,000 00 |
| July | 1, 1931, | School House | . 4½s | 5,000 00 |
| July | 1, 1931, | Building | . 4½s | 4,000 00 |
| July | 1, 1931, | Sewer | . 4½s | 1,000 00 |
| July | 1, 1931, | Building | . 4½s | 4,000 00 |
| July | 1, 1931, | Sewer | . 4s | 500 00 |
| July | 1, 1931, | Sewer Sep. System | . 4s | 500 00 |
| July | 1, 1931, | Playground | . 4s | 1,000 00 |
| July | 1, 1931, | Park | . 4s | 1,000 00 |
| July | 1, 1931, | Street | . 4½s | 2,000 00 |

Amount carried forward\$1,787,200 00

Amount brought forward\$1,787,200 00

| | | | | | |
|-------|----------|-------------------------|-----------|-----|----------|
| July | 1, 1931, | Bridge | | 4s | 400 00 |
| July | 1, 1931, | Sewer Sep. System | | 4s | 1,000 00 |
| July | 1, 1931, | Park | | 4s | 1,000 00 |
| Sept. | 1, 1931, | Park | | 3½s | 2,000 00 |
| Sept. | 1, 1931, | Building | | 4½s | 1,000 00 |
| Oct. | 1, 1931, | Sewer Construction | | 4½s | 500 00 |
| Oct. | 1, 1931, | Sewer Construction | | 4½s | 1,500 00 |
| Oct. | 1, 1931, | School House | | 4½s | 1,000 00 |
| Oct. | 1, 1931, | Hospital | | 4½s | 8,000 00 |
| Oct. | 1, 1931, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1931, | Hospital | | 5s | 2,500 00 |
| Oct. | 1, 1931, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1931, | Sewer | | 5s | 500 00 |
| Nov. | 1, 1931, | Sewer | | 3½s | 500 00 |
| Dec. | 1, 1931, | Sewer Sep. System | | 4s | 500 00 |
| Dec. | 1, 1931, | Sewer Construction | | 4½s | 1,000 00 |
| Dec. | 1, 1931, | Sewer Construction | | 4½s | 500 00 |
| Dec. | 1, 1931, | Playground | | 4s | 300 00 |
| Jan. | 1, 1932, | Sewer | | 4s | 500 00 |
| Jan. | 1, 1932, | School House | | 4s | 3,250 00 |
| Feb. | 1, 1932, | Building (School House) | | 4s | 500 00 |
| Mar. | 1, 1932, | Hospital | | 4s | 4,500 00 |
| Mar. | 1, 1932, | Building (Hospital) | | 4s | 2,000 00 |
| Apr. | 1, 1932, | Sewer Construction | | 4½s | 500 00 |
| May | 1, 1932, | Sewer | | 3½s | 500 00 |
| May | 1, 1932, | Cambridge Bridge | | 4s | 2,000 00 |
| July | 1, 1932, | Building | | 4s | 4,000 00 |
| July | 1, 1932, | Sewer | | 4s | 500 00 |
| July | 1, 1932, | Sewer Sep. System | | 4s | 500 00 |
| July | 1, 1932, | Playground | | 4s | 1,000 00 |
| July | 1, 1932, | Park | | 4s | 1,000 00 |
| July | 1, 1932, | School House | | 4½s | 3,250 00 |
| July | 1, 1932, | Street | | 4½s | 2,000 00 |
| July | 1, 1932, | Bridge | | 4s | 400 00 |
| July | 1, 1932, | Sewer Sep. System | | 4s | 1,000 00 |
| July | 1, 1932, | Park | | 4s | 1,000 00 |
| July | 1, 1932, | School House | | 4½s | 5,000 00 |
| July | 1, 1932, | Building | | 4½s | 4,000 00 |
| July | 1, 1932, | Sewer | | 4½s | 1,000 00 |
| Sept. | 1, 1932, | Building | | 4½s | 1,000 00 |
| Sept. | 1, 1932, | Park | | 3½s | 2,000 00 |
| Sept. | 1, 1932, | Hospital | | 4½s | 3,000 00 |
| Oct. | 1, 1932, | Sewer Construction | | 4½s | 500 00 |
| Oct. | 1, 1932, | Sewer Construction | | 4½s | 1,500 00 |
| Oct. | 1, 1932, | School House | | 4½s | 1,000 00 |
| Oct. | 1, 1932, | Hospital | | 4½s | 8,000 00 |
| Oct. | 1, 1932, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1932, | Hospital | | 5s | 2,500 00 |
| Oct. | 1, 1932, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1932, | Sewer | | 5s | 500 00 |
| Nov. | 1, 1932, | Sewer | | 3½s | 500 00 |
| Dec. | 1, 1932, | Sewer Sep. System | | 4s | 500 00 |
| Dec. | 1, 1932, | Sewer Construction | | 4½s | 1,000 00 |
| Dec. | 1, 1932, | Sewer Construction | | 4½s | 500 00 |
| Dec. | 1, 1932, | Playground | | 4s | 300 00 |
| Jan. | 1, 1933, | Sewer | | 4s | 500 00 |

Amount carried forward\$1,875,100 00

CITY TREASURER

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Amount brought forward.....\$1,875,100 00

| | | | | |
|-------|----------|---------------------------|-----|----------|
| Jan. | 1, 1933, | School House | 4s | 3,250 00 |
| Feb. | 1, 1933, | Building (School House) | 4s | 500 00 |
| Mar. | 1, 1933, | Hospital | 4s | 4,500 00 |
| Mar. | 1, 1933, | Building (Hospital) . . . | 4s | 2,000 00 |
| Apr. | 1, 1933, | Sewer Construction . . . | 4½s | 500 00 |
| May | 1, 1933, | Cambridge Bridge | 4s | 2,000 00 |
| May | 1, 1933, | Sewer | 3½s | 500 00 |
| July | 1, 1933, | Building | 4s | 4,000 00 |
| July | 1, 1933, | Sewer | 4s | 500 00 |
| July | 1, 1933, | Sewer Sep. System . . . | 4s | 500 00 |
| July | 1, 1933, | Playground | 4s | 1,000 00 |
| July | 1, 1933, | Park | 4s | 1,000 00 |
| July | 1, 1933, | School House | 4½s | 3,250 00 |
| July | 1, 1933, | Street | 4½s | 2,000 00 |
| July | 1, 1933, | Bridge | 4s | 400 00 |
| July | 1, 1933, | Sewer Sep. System . . . | 4s | 1,000 00 |
| July | 1, 1933, | Park | 4s | 1,000 00 |
| July | 1, 1933, | School House | 4½s | 5,000 00 |
| July | 1, 1933, | Building | 4½s | 4,000 00 |
| July | 1, 1933, | Sewer | 4½s | 1,000 00 |
| Sept. | 1, 1933, | Building | 4½s | 1,000 00 |
| Sept. | 1, 1933, | Park | 3½s | 1,000 00 |
| Sept. | 1, 1933, | Hospital | 4½s | 3,000 00 |
| Oct. | 1, 1933, | Sewer Construction . . . | 4½s | 500 00 |
| Oct. | 1, 1933, | Sewer Construction . . . | 4½s | 1,500 00 |
| Oct. | 1, 1933, | School House | 4½s | 1,000 00 |
| Oct. | 1, 1933, | Hospital | 4½s | 8,000 00 |
| Oct. | 1, 1933, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1933, | Hospital | 5s | 2,500 00 |
| Oct. | 1, 1933, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1933, | Sewer | 5s | 500 00 |
| Nov. | 1, 1933, | Sewer | 3½s | 500 00 |
| Dec. | 1, 1933, | Sewer Sep. System . . . | 4s | 500 00 |
| Dec. | 1, 1933, | Sewer Construction . . . | 4½s | 1,000 00 |
| Dec. | 1, 1933, | Sewer Construction . . . | 4½s | 500 00 |
| Dec. | 1, 1933, | Playground | 4s | 300 00 |
| Jan. | 1, 1934, | Sewer | 4s | 500 00 |
| Jan. | 1, 1934, | School House | 4s | 3,250 00 |
| Feb. | 1, 1934, | Building (School House) | 4s | 500 00 |
| Mar. | 1, 1934, | Hospital | 4s | 4,500 00 |
| Mar. | 1, 1934, | Building (Hospital) . . . | 4s | 2,000 00 |
| Apr. | 1, 1934, | Sewer Construction . . . | 4½s | 500 00 |
| May | 1, 1934, | Sewer | 3½s | 500 00 |
| May | 1, 1934, | Cambridge Bridge | 4s | 2,000 00 |
| July | 1, 1934, | Building | 4s | 4,000 00 |
| July | 1, 1934, | Sewer | 4s | 500 00 |
| July | 1, 1934, | Sewer Sep. System . . . | 4s | 500 00 |
| July | 1, 1934, | Playground | 4s | 1,000 00 |
| July | 1, 1934, | Park | 4s | 1,000 00 |
| July | 1, 1934, | Street | 4s | 400 00 |
| July | 1, 1934, | Sewer Sep. System . . . | 4s | 1,000 00 |
| July | 1, 1934, | Park | 4s | 1,000 00 |
| July | 1, 1934, | School House | 4½s | 5,000 00 |
| July | 1, 1934, | Building | 4½s | 4,000 00 |
| July | 1, 1934, | Sewer | 4½s | 1,000 00 |
| Sept. | 1, 1934, | Building | 4½s | 1,000 00 |
| Sept. | 1, 1934, | Park | 3½s | 1,000 00 |

Amount carried forward.....\$1,971,950 00

Amount brought forward.....\$1,971,950 00

| | | | | |
|-------|----------|-----------------------------------|-----|----------|
| Sept. | 1, 1934, | Hospital | 4½s | 3,000 00 |
| Oct. | 1, 1934, | Sewer Construction | 4½s | 500 00 |
| Oct. | 1, 1934, | Sewer Construction | 4½s | 1,500 00 |
| Oct. | 1, 1934, | School House | 4½s | 1,000 00 |
| Oct. | 1, 1934, | Hospital | 4½s | 8,000 00 |
| Oct. | 1, 1934, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1934, | Hospital | 5s | 2,500 00 |
| Oct. | 1, 1934, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1934, | Sewer | 5s | 500 00 |
| Nov. | 1, 1934, | Sewer | 3½s | 500 00 |
| Dec. | 1, 1934, | Sewer Sep. System | 4s | 500 00 |
| Dec. | 1, 1934, | Sewer Construction | 4½s | 1,000 00 |
| Dec. | 1, 1934, | Sewer Construction | 4½s | 500 00 |
| Dec. | 1, 1934, | Playground | 4s | 300 00 |
| Jan. | 1, 1935, | Sewer | 4s | 500 00 |
| Jan. | 1, 1935, | School House | 4s | 3,250 00 |
| Feb. | 1, 1935, | Building (School House) | 4s | 500 00 |
| Mar. | 1, 1935, | Hospital | 4s | 4,500 00 |
| Mar. | 1, 1935, | Building (Hospital) | 4s | 2,000 00 |
| Apr. | 1, 1935, | Sewer Construction | 4½s | 500 00 |
| May | 1, 1935, | Sewer | 3½s | 500 00 |
| May | 1, 1935, | Cambridge Bridge | 4s | 2,000 00 |
| July | 1, 1935, | Building | 4s | 4,000 00 |
| July | 1, 1935, | Sewer | 4s | 500 00 |
| July | 1, 1935, | Sewer Sep. System | 4s | 500 00 |
| July | 1, 1935, | Playground | 4s | 1,000 00 |
| July | 1, 1935, | Park | 4s | 1,000 00 |
| July | 1, 1935, | Sewer Sep. System | 4s | 1,000 00 |
| July | 1, 1935, | Park | 4s | 1,000 00 |
| July | 1, 1935, | School House | 4½s | 5,000 00 |
| July | 1, 1935, | Building | 4½s | 4,000 00 |
| July | 1, 1935, | Sewer | 4½s | 1,000 00 |
| Sept. | 1, 1935, | Building | 4½s | 1,000 00 |
| Sept. | 1, 1935, | Park | 3½s | 1,000 00 |
| Oct. | 1, 1935, | Sewer Construction | 4½s | 1,500 00 |
| Oct. | 1, 1935, | Hospital | 4½s | 8,000 00 |
| Oct. | 1, 1935, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1935, | Hospital | 5s | 2,500 00 |
| Oct. | 1, 1935, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1935, | Sewer | 5s | 500 00 |
| Nov. | 1, 1935, | Sewer | 3½s | 500 00 |
| Dec. | 1, 1935, | Sewer Sep. System | 4s | 500 00 |
| Dec. | 1, 1935, | Sewer Construction | 4½s | 1,000 00 |
| Dec. | 1, 1935, | Sewer Construction | 4½s | 500 00 |
| Dec. | 1, 1935, | Playground | 4s | 300 00 |
| Jan. | 1, 1936, | Sewer | 4s | 500 00 |
| Feb. | 1, 1936, | Building (School House) | 4s | 500 00 |
| Mar. | 1, 1936, | Hospital | 4s | 4,500 00 |
| Mar. | 1, 1936, | Building (Hospital) | 4s | 2,000 00 |
| Apr. | 1, 1936, | Sewer Construction | 4½s | 500 00 |
| May | 1, 1936, | Sewer | 3½s | 500 00 |
| May | 1, 1936, | Cambridge Bridge | 4s | 2,000 00 |
| July | 1, 1936, | Sewer | 4s | 500 00 |
| July | 1, 1936, | Sewer Sep. System | 4s | 500 00 |
| July | 1, 1936, | Park | 4s | 1,000 00 |
| July | 1, 1936, | Sewer Sep. System | 4s | 1,000 00 |

Amount carried forward.....\$2,059,300 00

Amount brought forward.....\$2,059,300 00

| | | | | |
|-------|----------|------------------------------|-----|----------|
| July | 1, 1936, | Park | 4s | 1,000 00 |
| July | 1, 1936, | School House | 4½s | 5,000 00 |
| July | 1, 1936, | Building | 4½s | 4,000 00 |
| July | 1, 1936, | Sewer | 4½s | 1,000 00 |
| Sept. | 1, 1936, | Building | 4½s | 1,000 00 |
| Sept. | 1, 1936, | Park | 4s | 1,000 00 |
| Oct. | 1, 1936, | Sewer Construction | 4½s | 1,500 00 |
| Oct. | 1, 1936, | Hospital | 4½s | 8,000 00 |
| Oct. | 1, 1936, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1936, | Hospital | 5s | 2,500 00 |
| Oct. | 1, 1936, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1936, | Sewer | 5s | 500 00 |
| Nov. | 1, 1936, | Sewer | 3½s | 500 00 |
| Dec. | 1, 1936, | Sewer Sep. System | 4s | 500 00 |
| Dec. | 1, 1936, | Sewer Construction | 4½s | 1,000 00 |
| Dec. | 1, 1936, | Sewer Construction | 4½s | 500 00 |
| Dec. | 1, 1936, | Playground | 4s | 300 00 |
| Jan. | 1, 1937, | Sewer | 4s | 500 00 |
| Apr. | 1, 1937, | Sewer Construction | 4½s | 500 00 |
| May | 1, 1937, | Sewer | 3½s | 500 00 |
| May | 1, 1937, | Cambridge Bridge | 4s | 2,000 00 |
| July | 1, 1937, | Sewer | 4s | 500 00 |
| July | 1, 1937, | Sewer Sep. System | 4s | 500 00 |
| July | 1, 1937, | Park | 4s | 1,000 00 |
| July | 1, 1937, | Sewer Sep. System | 4s | 1,000 00 |
| July | 1, 1937, | Park | 4s | 1,000 00 |
| July | 1, 1937, | School House | 4½s | 5,000 00 |
| July | 1, 1937, | Building | 4½s | 4,000 00 |
| July | 1, 1937, | Sewer | 4½s | 1,000 00 |
| July | 1, 1937, | Building | 4½s | 1,000 00 |
| Sept. | 1, 1937, | Building | 4½s | 1,000 00 |
| Sept. | 1, 1937, | Park | 3½s | 1,000 00 |
| Oct. | 1, 1937, | Sewer Construction | 4½s | 1,500 00 |
| Oct. | 1, 1937, | Hospital | 4½s | 8,000 00 |
| Oct. | 1, 1937, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1937, | Hospital | 5s | 2,500 00 |
| Oct. | 1, 1937, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1937, | Sewer | 5s | 500 00 |
| Dec. | 1, 1937, | Sewer Sep. System | 4s | 500 00 |
| Dec. | 1, 1937, | Sewer Construction | 4½s | 1,000 00 |
| Dec. | 1, 1937, | Sewer Construction | 4½s | 500 00 |
| Jan. | 1, 1938, | Sewer | 4s | 500 00 |
| May | 1, 1938, | Sewer | 3½s | 500 00 |
| May | 1, 1938, | Cambridge Bridge | 4s | 2,000 00 |
| July | 1, 1938, | Sewer | 4s | 500 00 |
| July | 1, 1938, | Sewer Sep. System | 4s | 500 00 |
| July | 1, 1938, | Park | 4s | 1,000 0 |
| July | 1, 1938, | Sewer Sep. System | 4s | 1,000 00 |
| July | 1, 1938, | Park | 4s | 1,000 00 |
| Sept. | 1, 1938, | Park | 3½s | 1,000 00 |
| July | 1, 1938, | Sewer | 4½s | 1,000 00 |
| Oct. | 1, 1938, | Sewer Construction | 4½s | 1,500 00 |
| Oct. | 1, 1938, | Hospital | 4½s | 3,000 00 |
| Oct. | 1, 1938, | Sewer | 5s | 1,000 00 |
| Oct. | 1, 1938, | Hospital | 5s | 2,500 00 |
| Oct. | 1, 1938, | Sewer | 5s | 1,000 00 |

Amount carried forward.....\$2,144,600 00

Amount brought forward.....\$2,144,600 00

| | | | | | |
|-------|----------|--------------------|-----------|-----|----------|
| Oct. | 1, 1938, | Sewer | | 5s | 500 00 |
| Dec. | 1, 1938, | Sewer Sep. System | | 4s | 500 00 |
| Dec. | 1, 1938, | Sewer Construction | | 4½s | 1,000 00 |
| Dec. | 1, 1938, | Sewer Construction | | 4½s | 500 00 |
| Jan. | 1, 1939, | Sewer | | 4s | 500 00 |
| May | 1, 1939, | Sewer | | 3½s | 500 00 |
| May | 1, 1939, | Cambridge Bridge | | 4s | 2,000 00 |
| July | 1, 1939, | Sewer | | 4s | 500 00 |
| July | 1, 1939, | Sewer Sep. System | | 4s | 500 00 |
| July | 1, 1939, | Park | | 4s | 1,000 0 |
| July | 1, 1939, | Sewer Sep. System | | 4s | 1,000 00 |
| July | 1, 1939, | Park | | 4s | 1,000 00 |
| July | 1, 1939, | Sewer | | 4½s | 1,000 00 |
| Sept. | 1, 1939, | Park | | 3½s | 1,000 00 |
| Oct. | 1, 1939, | Sewer Construction | | 4½s | 1,500 00 |
| Oct. | 1, 1939, | Hospital | | 4½s | 3,000 00 |
| Oct. | 1, 1939, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1939, | Hospital | | 5s | 2,500 00 |
| Oct. | 1, 1939, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1939, | Sewer | | 5s | 500 00 |
| Dec. | 1, 1939, | Sewer Sep. System | | 4s | 500 00 |
| Dec. | 1, 1939, | Sewer Construction | | 4½s | 500 00 |
| Jan. | 1, 1940, | Sewer | | 4s | 500 00 |
| May | 1, 1940, | Sewer | | 3½s | 500 00 |
| May | 1, 1940, | Cambridge Bridge | | 4s | 2,000 00 |
| July | 1, 1940, | Sewer | | 4s | 500 00 |
| July | 1, 1940, | Sewer Sep. System | | 4s | 500 00 |
| July | 1, 1940, | Park | | 4s | 1,000 0 |
| July | 1, 1940, | Sewer Sep. System | | 4s | 1,000 00 |
| July | 1, 1940, | Park | | 4s | 1,000 00 |
| July | 1, 1940, | Sewer | | 4½s | 1,000 00 |
| Sept. | 1, 1940, | Park | | 3½s | 1,000 00 |
| Oct. | 1, 1940, | Sewer Construction | | 4½s | 1,500 00 |
| Oct. | 1, 1940, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1940, | Hospital | | 5s | 2,500 00 |
| Oct. | 1, 1940, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1940, | Sewer | | 5s | 500 00 |
| Dec. | 1, 1940, | Sewer Sep. System | | 4s | 500 00 |
| Dec. | 1, 1940, | Sewer Construction | | 4½s | 500 00 |
| Jan. | 1, 1941, | Sewer | | 4s | 500 00 |
| May | 1, 1941, | Sewer | | 3½s | 500 00 |
| May | 1, 1941, | Cambridge Bridge | | 4s | 2,000 00 |
| July | 1, 1941, | Sewer | | 4s | 500 00 |
| July | 1, 1941, | Sewer Sep. System | | 4s | 500 00 |
| July | 1, 1941, | Sewer Sep. System | | 4s | 1,000 00 |
| July | 1, 1941, | Park | | 3½s | 1,000 00 |
| July | 1, 1941, | Sewer | | 4½s | 1,000 00 |
| Sept. | 1, 1941, | Park | | 4s | 1,000 00 |
| Oct. | 1, 1941, | Sewer Construction | | 4½s | 1,500 00 |
| Oct. | 1, 1941, | Sewer | | 5s | 1,000 00 |
| Oct. | 1, 1941, | Sewer | | 5s | 500 00 |
| Dec. | 1, 1941, | Sewer Sep. System | | 4s | 500 00 |
| Dec. | 1, 1941, | Sewer Construction | | 4½s | 500 00 |
| Jan. | 1, 1942, | Sewer | | 4s | 500 00 |
| May | 1, 1942, | Sewer | | 3½s | 500 00 |
| May | 1, 1942, | Cambridge Bridge | | 4s | 2,000 00 |

Amount carried forward.....\$2,198,100 00

CITY TREASURER

29

Amount brought forward.....\$2,198,100 00

| | | | | | |
|-------|----------|--------------------|---|-----|----------|
| July | 1, 1942, | Sewer | . | 4s | 500 00 |
| July | 1, 1942, | Sewer Sep. System | . | 4s | 500 00 |
| July | 1, 1942, | Sewer Sep. System | . | 4s | 1,000 00 |
| July | 1, 1942, | Park | . | 4s | 1,000 00 |
| July | 1, 1942, | Sewer | . | 4½s | 1,500 00 |
| Sept. | 1, 1942, | Park | . | 3½s | 1,000 00 |
| Oct. | 1, 1942, | Sewer Construction | . | 4½s | 1,500 00 |
| Oct. | 1, 1942, | Sewer | . | 5s | 1,000 00 |
| Oct. | 1, 1942, | Sewer | . | 5s | 500 00 |
| Dec. | 1, 1942, | Sewer Sep. System | . | 4s | 500 00 |
| Dec. | 1, 1942, | Sewer Construction | . | 4½s | 500 00 |
| Jan. | 1, 1943, | Sewer | . | 4s | 500 00 |
| May | 1, 1943, | Sewer | . | 3½s | 500 00 |
| May | 1, 1943, | Cambridge Bridge | . | 4s | 2,000 00 |
| July | 1, 1943, | Sewer | . | 4s | 500 00 |
| July | 1, 1943, | Sewer Sep. System | . | 4s | 500 00 |
| July | 1, 1943, | Sewer Sep. System | . | 4s | 1,000 00 |
| July | 1, 1943, | Park | . | 4s | 1,000 00 |
| Oct. | 1, 1943, | Sewer Construction | . | 4½s | 1,000 00 |
| Oct. | 1, 1943, | Sewer | . | 5s | 1,000 00 |
| Oct. | 1, 1943, | Sewer | . | 5s | 500 00 |
| July | 1, 1943, | Sewer | . | 4½s | 1,500 00 |
| Dec. | 1, 1943, | Sewer Sep. System | . | 4s | 500 00 |
| Dec. | 1, 1943, | Sewer Construction | . | 4½s | 500 00 |
| Jan. | 1, 1944, | Sewer | . | 4s | 500 00 |
| May | 1, 1944, | Sewer | . | 3½s | 500 00 |
| May | 1, 1944, | Cambridge Bridge | . | 4s | 2,000 00 |
| July | 1, 1944, | Sewer | . | 4s | 500 00 |
| July | 1, 1944, | Sewer Sep. System | . | 4s | 500 00 |
| July | 1, 1944, | Sewer Sep. System | . | 4s | 1,000 00 |
| July | 1, 1944, | Park | . | 4s | 1,000 00 |
| July | 1, 1944, | Sewer | . | 4½s | 1,000 00 |
| Oct. | 1, 1944, | Sewer Construction | . | 4½s | 1,500 00 |
| Oct. | 1, 1944, | Sewer | . | 5s | 1,000 00 |
| Oct. | 1, 1944, | Sewer | . | 5s | 500 00 |
| Dec. | 1, 1944, | Sewer Sep. System | . | 4s | 500 00 |
| Dec. | 1, 1944, | Sewer Construction | . | 4½s | 500 00 |
| Jan. | 1, 1945, | Sewer | . | 4s | 500 00 |
| May | 1, 1945, | Sewer | . | 3½s | 500 00 |
| May | 1, 1945, | Cambridge Bridge | . | 4s | 2,000 00 |
| July | 1, 1945, | Sewer | . | 4s | 500 00 |
| July | 1, 1945, | Sewer Sep. System | . | 4s | 500 00 |
| July | 1, 1945, | Sewer | . | 4½s | 1,000 00 |
| Oct. | 1, 1945, | Sewer Construction | . | 4½s | 1,500 00 |
| Oct. | 1, 1945, | Sewer | . | 5s | 1,000 00 |
| Oct. | 1, 1945, | Sewer | . | 5s | 500 00 |
| Dec. | 1, 1945, | Sewer Construction | . | 4½s | 500 00 |
| Jan. | 1, 1946, | Sewer | . | 4s | 500 00 |
| May | 1, 1946, | Sewer | . | 3½s | 500 00 |
| July | 1, 1946, | Sewer | . | 4½s | 1,000 00 |
| Oct. | 1, 1946, | Sewer Construction | . | 4½s | 1,500 00 |
| Oct. | 1, 1946, | Sewer | . | 5s | 1,000 00 |
| Oct. | 1, 1946, | Sewer | . | 5s | 500 00 |
| Dec. | 1, 1946, | Sewer Construction | . | 4½s | 500 00 |
| July | 1, 1947, | Sewer | . | 4½s | 1,000 00 |
| Oct. | 1, 1947, | Sewer Construction | . | 4½s | 1,500 00 |

Amount carried forward.....\$2,246,100 00

Amount brought forward.....\$2,246,100 00

| | | | | | | | | |
|------|----------|--------------------|---|---|---|---|-----|----------|
| Oct. | 1, 1947, | Sewer | . | . | . | . | 5s | 1,000 00 |
| Oct. | 1, 1947, | Sewer | . | . | . | . | 5s | 500 00 |
| Dec. | 1, 1947, | Sewer Construction | . | . | . | . | 4½s | 500 00 |
| Oct. | 1, 1948, | Sewer Construction | . | . | . | . | 4½s | 1,500 00 |
| Oct. | 1, 1948, | Sewer | . | . | . | . | 5s | 1,000 00 |
| Oct. | 1, 1948, | Sewer | . | . | . | . | 5s | 500 00 |
| Dec. | 1, 1948, | Sewer Construction | . | . | . | . | 4½s | 500 00 |
| Oct. | 1, 1949, | Sewer Construction | . | . | . | . | 4½s | 1,500 00 |
| Oct. | 1, 1949, | Sewer | . | . | . | . | 5s | 1,000 00 |
| Oct. | 1, 1949, | Sewer | . | . | . | . | 5s | 500 00 |
| Oct. | 1, 1950, | Sewer | . | . | . | . | 5s | 1,000 00 |
| Oct. | 1, 1950, | Sewer | . | . | . | . | 5s | 500 00 |

\$2,256,100 00

The bonded City Debt matures as follows, viz:—

Provided for by Sinking Fund.

| | | | | |
|-------|----------|-------------------------|-----|------------|
| July | 1, 1921, | Harvard Bridge | 4s | 60,000 00 |
| July | 1, 1921, | Street | 3½s | 30,000 00 |
| July | 1, 1921, | Cambridge Bridge | 3½s | 24,000 00 |
| July | 1, 1921, | School House | 3½s | 76,000 00 |
| July | 1, 1921, | Street | 3½s | 55,000 00 |
| July | 1, 1921, | Municipal | 3½s | 25,000 00 |
| July | 1, 1921, | Cemetery | 3½s | 8,000 00 |
| Nov. | 1, 1921, | Public Library | 3½s | 27,000 00 |
| Dec. | 1, 1921, | Chas. River Basin Assn. | 4s | 60,000 00 |
| Dec. | 1, 1921, | Street | 4s | 17,000 00 |
| Mar. | 1, 1922, | Municipal | 3½s | 15,500 00 |
| July | 1, 1922, | Hospital | 3½s | 6,000 00 |
| July | 1, 1922, | School House | 3½s | 86,500 00 |
| July | 1, 1922, | Street | 3½s | 30,000 00 |
| Sept. | 1, 1922, | Municipal | 4s | 35,000 00 |
| Sept. | 1, 1922, | Street | 4s | 7,000 00 |
| Sept. | 1, 1922, | Street | 4s | 118,000 00 |
| Oct. | 1, 1922, | School House | 3½s | 11,000 00 |
| Nov. | 1, 1922, | Street | 3½s | 14,000 00 |
| Feb. | 1, 1923, | Municipal | 4s | 4,800 00 |
| Feb. | 1, 1923, | Municipal | 4s | 35,000 00 |
| Feb. | 1, 1923, | Street | 4s | 10,000 00 |
| Feb. | 1, 1923, | Street | 4s | 3,000 00 |
| Apr. | 1, 1923, | Street | 3½s | 4,000 00 |
| Apr. | 1, 1923, | Building | 3½s | 3,000 00 |
| July | 1, 1923, | Street | 4s | 57,800 00 |
| July | 1, 1923, | Municipal | 4s | 25,000 00 |
| Aug. | 1, 1923, | Harvard Bridge | 4s | 10,000 00 |
| Oct. | 1, 1923, | School House | 3½s | 80,000 00 |
| Nov. | 1, 1923, | Street | 3½s | 12,000 00 |
| Feb. | 1, 1924, | Park | 4s | 360,000 00 |
| Apr. | 1, 1924, | Building | 3½s | 25,000 00 |
| Apr. | 1, 1924, | School House | 3½s | 80,000 00 |
| May | 1, 1924, | School House | 3½s | 5,000 00 |
| Aug. | 1, 1924, | Sewer | 4s | 75,000 00 |
| Sept. | 1, 1924, | Street | 3½s | 59,000 00 |
| Nov. | 1, 1924, | Building | 3½s | 6,000 00 |
| Nov. | 1, 1924, | School House | 3½s | 20,000 00 |
| Nov. | 1, 1924, | Street | 3½s | 6,500 00 |
| May | 1, 1925, | Street | 3½s | 84,000 00 |
| May | 1, 1925, | School House | 3½s | 20,950 00 |
| Aug. | 1, 1925, | School House | 3½s | 20,000 00 |
| Oct. | 1, 1925, | Sewer | 4s | 60,000 00 |
| Nov. | 1, 1925, | Street | 3½s | 1,500 00 |
| May | 1, 1926, | Street | 4s | 100,000 00 |
| Aug. | 1, 1926, | Park | 4s | 100,000 00 |
| Aug. | 1, 1926, | School House | 4s | 47,000 00 |
| Aug. | 1, 1926, | Street | 4s | 22,000 00 |
| Oct. | 1, 1926, | Park | 4s | 40,000 00 |

Amount carried forward.....\$2,081,550 00

| | | | | | | |
|-----------------------------|----------|-----------------------------------|-----|--|--|----------------|
| Amount brought forward..... | | | | | | \$2,081,550 00 |
| Apr. | 1, 1927, | Street | 4s | | | 40,000 00 |
| June | 1, 1927, | Street | 4s | | | 19,000 00 |
| Sept. | 1, 1927, | Street | 4s | | | 25,000 00 |
| Sept. | 1, 1927, | Building | 4s | | | 30,000 00 |
| Nov. | 1, 1927, | Street | 4s | | | 10,000 00 |
| Jan. | 1, 1928, | Street | 4s | | | 34,000 00 |
| | | | | | | |
| Aug. | 1, 1928, | Street | 4s | | | 42,000 00 |
| Aug. | 1, 1928, | Hospital | 4s | | | 20,000 00 |
| Dec. | 1, 1928, | School House | 3½s | | | 40,000 00 |
| Mar. | 1, 1929, | Street | 3½s | | | 20,000 00 |
| | | | | | | |
| Nov. | 1, 1929, | Sewer | 3½s | | | 42,000 00 |
| Jan. | 1, 1930, | Street | 3½s | | | 13,500 00 |
| Jan. | 1, 1930, | School House | 3½s | | | 93,500 00 |
| | | | | | | |
| July | 1, 1930, | Sewer | 3½s | | | 100,000 00 |
| July | 1, 1930, | School House | 4s | | | 120,000 00 |
| July | 1, 1930, | Cambridge Hospital | 4s | | | 95,000 00 |
| July | 1, 1930, | Street | 4s | | | 12,000 00 |
| Mar. | 1, 1931, | Street | 3½s | | | 27,000 00 |
| Mar. | 1, 1931, | School House | 3½s | | | 5,000 00 |
| | | | | | | |
| July | 1, 1931, | Street | 3½s | | | 8,000 00 |
| July | 1, 1931, | Street | 3½s | | | 45,000 00 |
| July | 1, 1931, | School House | 4½s | | | 3,250 00 |
| Aug. | 1, 1931, | Sewer | 3½s | | | 110,000 00 |
| Sept. | 1, 1931, | Hospital | 4½s | | | 3,000 00 |
| Dec. | 1, 1931, | Hospital | 3½s | | | 4,000 00 |
| | | | | | | |
| Feb. | 1, 1932, | Street | 3½s | | | 6,250 00 |
| Feb. | 1, 1932, | School | 3½s | | | 5,000 00 |
| Mar. | 1, 1932, | Hospital | 3½s | | | 25,000 00 |
| Mar. | 1, 1932, | School House | 3½s | | | 2,500 00 |
| | | | | | | |
| Aug. | 1, 1932, | Metropolitan Park As. | 3½s | | | 46,000 00 |
| Sept. | 1, 1932, | Street | 3½s | | | 6,200 00 |
| Nov. | 1, 1932, | Sewer | 3½s | | | 20,000 00 |
| | | | | | | |
| Apr. | 1, 1933, | Sewer | 3½s | | | 40,000 00 |
| July | 1, 1933, | Street | 4s | | | 4,000 00 |
| Aug. | 1, 1933, | Street | 4s | | | 18,000 00 |
| Oct. | 1, 1933, | Sewer | 3½s | | | 20,000 00 |
| May | 1, 1934, | Sewer | 3½s | | | 112,000 00 |
| May | 1, 1934, | Camb. Bridge Special | 3½s | | | 28,000 00 |
| Nov. | 1, 1934, | Sewer | 3½s | | | 5,000 00 |
| | | | | | | |
| May | 1, 1935, | Sewer | 3½s | | | 90,000 00 |
| Aug. | 1, 1935, | Park | 4s | | | 100,000 00 |
| Feb. | 1, 1936, | Park | 4s | | | 100,000 00 |
| May | 1, 1936, | Sewer | 4s | | | 35,000 00 |
| Sept. | 1, 1936, | Sewer | 4s | | | 25,000 00 |
| | | | | | | |
| Apr. | 1, 1937, | Sewer | 4s | | | 60,000 00 |
| Sept. | 1, 1937, | Park | 3½s | | | 100,000 00 |
| Nov. | 1, 1937, | Sewer | 4s | | | 10,000 00 |
| Nov. | 1, 1937, | Charles River Impr'ment | 3½s | | | 50,000 00 |

Amount carried forward.....\$3,950,750 00

Amount brought forward.....\$3,950,750 00

| | | | | |
|-------|----------|-------------------------|-----|------------|
| June | 1, 1938, | Park | 3½s | 50,000 00 |
| Aug. | 1, 1938, | Park | 3½s | 50,000 00 |
| Aug. | 1, 1938, | Charles River Impr'ment | 3½s | 50,000 00 |
| Aug. | 1, 1938, | Sewer | 4s | 25,000 00 |
| Dec. | 1, 1938, | Sewer | 4s | 17,000 00 |
| | | | | |
| July | 1, 1939, | Cambridge Bridge . . . | 3½s | 50,000 00 |
| July | 1, 1939, | Sewer | 3½s | 2,000 00 |
| Aug. | 1, 1939, | Park | 3½s | 100,000 00 |
| Jan. | 1, 1940, | Sewer | 3½s | 46,000 00 |
| | | | | |
| May | 1, 1940, | Sewer | 4s | 15,000 00 |
| July | 1, 1940, | Cambridge Bridge . . . | 3½s | 100,000 00 |
| July | 1, 1940, | Park | 3½s | 50,000 00 |
| July | 1, 1940, | Sewer | 4s | 25,000 00 |
| July | 1, 1940, | Playground | 4s | 50,000 00 |
| Nov. | 1, 1940, | Park | 3½s | 50,000 00 |
| | | | | |
| Feb. | 1, 1941, | Cambridge Bridge . . . | 3s | 100,000 00 |
| Mar. | 1, 1941, | Sewer | 3½s | 10,000 00 |
| | | | | |
| July | 1, 1941, | Playground | 3½s | 15,000 00 |
| July | 1, 1941, | Sewer | 3½s | 10,000 00 |
| July | 1, 1941, | Sewer | 3½s | 10,000 00 |
| Oct. | 1, 1941, | Park | 3½s | 100,000 00 |
| Nov. | 1, 1941, | Cambridge Bridge . . . | 3½s | 100,000 00 |
| Dec. | 1, 1941, | Sewer Sep. System . . . | 3½s | 10,000 00 |
| Dec. | 1, 1941, | Playground | 3½s | 30,000 00 |
| | | | | |
| July | 1, 1942, | Park | 3½s | 48,000 00 |
| Aug. | 1, 1942, | Cambridge Bridge . . . | 3½s | 100,000 00 |
| Sept. | 1, 1942, | Sewer | 3½s | 15,000 00 |
| | | | | |
| Jan. | 1, 1943, | Cambridge Bridge . . . | 3½s | 50,000 00 |
| Feb. | 1, 1943, | Sewer | 3½s | 10,000 00 |
| Feb. | 1, 1943, | Separate System | 3½s | 10,000 00 |
| | | | | |
| Apr. | 1, 1943, | Cambridge Bridge . . . | 3½s | 50,000 00 |
| Apr. | 1, 1943, | Park | 3½s | 50,000 00 |
| July | 1, 1943, | Sewer | 4s | 25,000 00 |
| Aug. | 1, 1943, | Cambridge Bridge . . . | 3½s | 50,000 00 |
| Jan. | 1, 1944, | Cambridge Bridge . . . | 3½s | 100,000 00 |
| | | | | |
| May | 1, 1944, | Cambridge Bridge . . . | 3½s | 200,000 00 |
| Aug. | 1, 1944, | Cambridge Bridge . . . | 3½s | 100,000 00 |
| Sept. | 1, 1944, | Cambridge Bridge . . . | 3½s | 50,000 00 |
| Sept. | 1, 1944, | Park | 3½s | 25,000 00 |
| Nov. | 1, 1944, | Park | 3½s | 6,000 00 |
| | | | | |
| Apr. | 1, 1945, | Park | 3½s | 5,000 00 |
| May | 1, 1945, | Park | 3½s | 45,000 00 |
| May | 1, 1945, | Cambridge Bridge . . . | 3½s | 150,000 00 |
| Aug. | 1, 1945, | Park | 3½s | 5,000 00 |
| Dec. | 1, 1945, | Cambridge Bridge . . . | 3½s | 100,000 00 |
| Jan. | 1, 1946, | Cambridge Bridge . . . | 3½s | 20,000 00 |
| | | | | |
| Aug. | 1, 1946, | Cambridge Bridge . . . | 4s | 150,000 00 |
| Aug. | 1, 1946, | Commercial Ave. Bridge | 3½s | 50,000 00 |

Amount carried forward\$6,429,750 00

| | | | | | | |
|-----------------------------|----------|------------------|---|---|-----|-----------------------|
| Amount brought forward..... | | | | | | \$6,429,750 00 |
| Sept. | 1, 1946, | Park | . | . | 3½s | 25,000 00 |
| Sept. | 1, 1946, | Cambridge Bridge | . | . | 4s | 5,000 00 |
| Jan. | 1, 1947, | Cambridge Bridge | . | . | 3½s | 50,000 00 |
| July | 1, 1947, | Cambridge Bridge | . | . | 4s | 40,000 00 |
| Oct. | 1, 1947, | Cambridge Bridge | . | . | 4s | 15,000 00 |
| Oct. | 1, 1947, | Park | . | . | 4s | 10,000 00 |
| Aug. | 1, 1948, | Cambridge Bridge | . | . | 4s | 45,000 00 |
| Aug. | 1, 1948, | Park | . | . | 4s | 30,000 00 |
| Nov. | 1, 1948, | Park | . | . | 4s | 12,000 00 |
| Jan. | 1, 1950, | Park | . | . | 3½s | 8,800 00 |
| July | 1, 1950, | Cambridge Bridge | . | . | 4s | 20,000 00 |
| Mar. | 1, 1951, | Park | . | . | 3½s | 17,000 00 |
| July | 1, 1951, | Park | . | . | 3½s | 7,000 00 |
| Dec. | 1, 1951, | Park | . | . | 3½s | 6,200 00 |
| Dec. | 1, 1951, | Bridge | . | . | 3½s | 10,000 00 |
| Mar. | 1, 1952, | Bridge | . | . | 3½s | 10,000 00 |
| | | | | | | <u>\$6,740,750 00</u> |

The bonded Water Debt matures as follows:—

Issued serially, provided for in the annual tax levy.

| | | | | | | | | |
|-------|---------|---|---|---|----|---|---|-----------|
| May | 1, 1921 | . | . | . | 3½ | . | . | 12,500 00 |
| July | 1, 1921 | . | . | . | 4 | . | . | 1,500 00 |
| July | 1, 1921 | . | . | . | 4 | . | . | 2,000 00 |
| Sept. | 1, 1921 | . | . | . | 3½ | . | . | 1,000 00 |
| Nov. | 1, 1921 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1921 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1922 | . | . | . | 4 | . | . | 1,500 00 |
| Mar. | 1, 1922 | . | . | . | 4 | . | . | 500 00 |
| May | 1, 1922 | . | . | . | 3½ | . | . | 12,500 00 |
| July | 1, 1922 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1922 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1922 | . | . | . | 3½ | . | . | 1,000 00 |
| Nov. | 1, 1922 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1922 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1923 | . | . | . | 4 | . | . | 1,500 00 |
| Mar. | 1, 1923 | . | . | . | 4 | . | . | 500 00 |
| May | 1, 1923 | . | . | . | 3½ | . | . | 12,500 00 |
| July | 1, 1923 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1923 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1923 | . | . | . | 3½ | . | . | 1,000 00 |
| Nov. | 1, 1923 | . | . | . | 4 | . | . | 2,000 00 |
| Dec. | 1, 1923 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1924 | . | . | . | 4 | . | . | 1,500 00 |
| Mar. | 1, 1924 | . | . | . | 4 | . | . | 500 00 |
| May | 1, 1924 | . | . | . | 3½ | . | . | 12,500 00 |
| July | 1, 1924 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1924 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1924 | . | . | . | 4 | . | . | 1,000 00 |
| Nov. | 1, 1924 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1924 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1925 | . | . | . | 4 | . | . | 1,500 00 |
| Mar. | 1, 1925 | . | . | . | 4 | . | . | 500 00 |
| May | 1, 1925 | . | . | . | 3½ | . | . | 12,500 00 |
| July | 1, 1925 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1925 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1925 | . | . | . | 3½ | . | . | 1,000 00 |
| Nov. | 1, 1925 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1925 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1926 | . | . | . | 4 | . | . | 1,500 00 |
| Mar. | 1, 1926 | . | . | . | 4 | . | . | 500 00 |
| July | 1, 1926 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1926 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1926 | . | . | . | 3½ | . | . | 1,000 00 |
| Nov. | 1, 1926 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1926 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1927 | . | . | . | 4½ | . | . | 1,500 00 |
| Mar. | 1, 1927 | . | . | . | 4 | . | . | 500 00 |

Amount carried forward\$112,000 00

CITY TREASURER

37

Amount brought forward\$112,000 00

| | | | | | | | | |
|-------|---------|---|---|---|----|---|---|----------|
| July | 1, 1927 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1927 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1927 | . | . | . | 4 | . | . | 1,000 00 |
| Nov. | 1, 1927 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1927 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1928 | . | . | . | 4 | . | . | 1,500 00 |
| Mar. | 1, 1928 | . | . | . | 4 | . | . | 500 00 |

| | | | | | | | | |
|-------|---------|---|---|---|----|---|---|----------|
| July | 1, 1928 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1928 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1928 | . | . | . | 3½ | . | . | 1,000 00 |
| Nov. | 1, 1928 | . | . | . | 3½ | . | . | 500 00 |
| Dec. | 1, 1928 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1929 | . | . | . | 4 | . | . | 1,500 00 |
| Mar. | 1, 1929 | . | . | . | 4 | . | . | 500 00 |

| | | | | | | | | |
|-------|---------|---|---|---|----|---|---|----------|
| July | 1, 1929 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1929 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1929 | . | . | . | 3½ | . | . | 1,000 00 |
| Nov. | 1, 1929 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1929 | . | . | . | 4 | . | . | 1,000 00 |
| Feb. | 1, 1930 | . | . | . | 4 | . | . | 1,500 00 |
| Mar. | 1, 1930 | . | . | . | 4 | . | . | 500 00 |

| | | | | | | | | |
|-------|---------|---|---|---|----|---|---|----------|
| July | 1, 1930 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1930 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1930 | . | . | . | 3½ | . | . | 1,000 00 |
| Nov. | 1, 1930 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1930 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1931 | . | . | . | 4 | . | . | 500 00 |
| Mar. | 1, 1931 | . | . | . | 4 | . | . | 500 00 |

| | | | | | | | | |
|-------|---------|---|---|---|----|---|---|----------|
| July | 1, 1931 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1931 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1931 | . | . | . | 3 | . | . | 1,000 00 |
| Nov. | 1, 1931 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1931 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1932 | . | . | . | 4 | . | . | 500 00 |
| Mar. | 1, 1932 | . | . | . | 4 | . | . | 500 00 |

| | | | | | | | | |
|-------|---------|---|---|---|----|---|---|----------|
| July | 1, 1932 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1932 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1932 | . | . | . | 3½ | . | . | 1,000 00 |
| Nov. | 1, 1932 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1932 | . | . | . | 3½ | . | . | 1,000 00 |
| Feb. | 1, 1933 | . | . | . | 4 | . | . | 500 00 |
| Mar. | 1, 1933 | . | . | . | 4 | . | . | 500 00 |

| | | | | | | | | |
|-------|---------|---|---|---|----|---|---|----------|
| July | 1, 1933 | . | . | . | 4 | . | . | 2,000 00 |
| July | 1, 1933 | . | . | . | 4 | . | . | 1,500 00 |
| Sept. | 1, 1933 | . | . | . | 3½ | . | . | 1,000 00 |
| Nov. | 1, 1933 | . | . | . | 4 | . | . | 500 00 |
| Dec. | 1, 1933 | . | . | . | 3½ | . | . | 1,000 00 |

Amount carried forward\$163,000 00

CITY TREASURER

| | | | | | | | |
|------------------------------|---------|---|---|---|----|---|--------------|
| Amount brought forward | | | | | | | \$163,000 00 |
| July | 1, 1934 | . | . | . | 4 | . | 1,500 00 |
| Sept. | 1, 1934 | . | . | . | 3½ | . | 1,000 00 |
| Dec. | 1, 1934 | . | . | . | 3½ | . | 1,000 00 |
| July | 1, 1935 | . | . | . | 4 | . | 1,500 00 |
| Sept. | 1, 1935 | . | . | . | 3½ | . | 1,000 00 |
| Dec. | 1, 1935 | . | . | . | 3½ | . | 1,000 00 |
| July | 1, 1936 | . | . | . | 4 | . | 1,500 00 |
| Sept. | 1, 1936 | . | . | . | 3½ | . | 1,000 00 |
| July | 1, 1937 | . | . | . | 4 | . | 1,500 00 |
| Sept. | 1, 1937 | . | . | . | 3½ | . | 1,000 00 |
| July | 1, 1938 | . | . | . | 4 | . | 1,500 00 |
| July | 1, 1939 | . | . | . | 4 | . | 1,500 00 |
| July | 1, 1940 | . | . | . | 4 | . | 1,500 00 |
| July | 1, 1941 | . | . | . | 4 | . | 1,500 00 |
| July | 1, 1942 | . | . | . | 4 | . | 1,500 00 |
| July | 1, 1943 | . | . | . | 4 | . | 1,500 00 |
| July | 1, 1944 | . | . | . | 4 | . | 1,500 00 |
| | | | | | | | \$185,500 00 |

REPORT OF THE COMMISSIONERS OF THE SINKING FUNDS OF THE CITY OF CAMBRIDGE.

To the Honorable, the City Council:—

The Commissioners of the several sinking funds of the City herewith submit their annual report, covering the year ending March 31, 1921. Our report shows the condition of the sinking funds under two divisions; first, Municipal; second, Water.

The following is the condition of the Municipal Loan Funds:

| Dr. | |
|---|----------------|
| The amount of the Funds March 31, 1920..... | \$3,345,431 84 |
| Received from the City of Cambridge, the annual bond re- quirements as appropriated for the several loans..... | 172,205 50 |
| Received interest on invested funds..... | 139,400 28 |
| Received discount on bonds purchased | 78,375 50 |
| | \$3,735,413 12 |
| Cr. | |
| Paid to City Treasurer on account of Municipal debt maturing | \$109,800 00 |
| Paid Interest accrued on bonds purchased..... | 3,876 43 |
| Paid discount on bonds sold | 11,200 00 |
| Amount of the funds March 31, 1921..... | 3,610,536 69 |
| | \$3,735,413 12 |

The following is the condition of the Water Loan Fund:

| Dr. | |
|--|--------------|
| The amount of the funds March 31, 1920..... | \$642,549 52 |
| Received interest on invested funds..... | 26,357 63 |
| Received discount on bonds purchased | 18,251 75 |
| | \$687,158 90 |
| Cr. | |
| Paid to City Treasurer on account of Water Debt Maturing | \$30,000 00 |
| Faid interest accrued on bonds purchased | 935 31 |
| Paid discount on bonds sold | 3,500 00 |
| Amount of fund March 31, 1921 | 652,723 59 |
| | \$687,158 90 |

April 1, 1921.

The following are the investments belonging to the Municipal Loan Fund:

| | | | |
|---------------------------|---------------|----|-------------|
| Cambridge City Bonds..... | July 1, 1921 | 4 | \$20,000 00 |
| " " " | July 1, 1921 | 3½ | 50,000 00 |
| " " " | Sept. 1, 1921 | 4½ | 800 00 |
| " " " | Nov. 1, 1921 | 3½ | 27,000 00 |
| " " " | Dec. 1, 1921 | 4½ | 33,250 00 |
| " " " | Mar. 1922 | 4 | 300 00 |
| " " " | July 1922 | 3½ | 91,000 00 |
| " " " | Sept. 1922 | 4½ | 800 00 |
| " " " | Oct. 1922 | 3½ | 6,000 00 |
| " " " | Nov. 1922 | 3½ | 3,000 00 |
| " " " | Dec. 1922 | 4½ | 33,250 00 |
| " " " | Mar. 1923 | 4 | 300 00 |
| " " " | Apr. 1923 | 3½ | 7,000 00 |
| " " " | Sept. 1923 | 4½ | 800 00 |
| " " " | Oct. 1923 | 3½ | 25,000 00 |
| " " " | Nov. 1923 | 3½ | 12,000 00 |
| " " " | Dec. 1923 | 4½ | 33,250 00 |
| " " " | Feb. 1924 | 4 | 22,000 00 |
| " " " | Mar. 1924 | 4 | 300 00 |
| " " " | Apr. 1924 | 4 | 212,000 00 |
| " " " | Apr. 1924 | 3½ | 54,000 00 |
| " " " | Sept. 1924 | 3½ | 20,000 00 |
| " " " | Sept. 1924 | 4½ | 800 00 |
| " " " | Nov. 1924 | 3½ | 31,500 00 |
| " " " | Dec. 1924 | 4½ | 6,250 00 |
| " " " | Mar. 1925 | 4 | 300 00 |
| " " " | May 1925 | 3½ | 52,500 00 |
| " " " | Aug. 1925 | 3½ | 20,000 00 |
| " " " | Oct. 1925 | 4 | 7,500 00 |
| " " " | Nov. 1925 | 3½ | 1,500 00 |
| " " " | Dec. 1925 | 4½ | 6,250 00 |
| " " " | Mar. 1926 | 4 | 300 00 |
| " " " | May 1926 | 4 | 8,000 00 |
| " " " | Oct. 1926 | 4 | 40,000 00 |
| " " " | Nov. 1926 | 4 | 6,000 00 |
| " " " | Dec. 1926 | 4½ | 6,250 00 |
| " " " | Mar. 1927 | 4 | 300 00 |
| " " " | Sept. 1927 | 4 | 5,000 00 |
| " " " | Nov. 1927 | 4 | 10,000 00 |
| " " " | Dec. 1927 | 4½ | 6,250 00 |
| " " " | Mar. 1928 | 4 | 300 00 |
| " " " | Dec. 1928 | 4½ | 6,250 00 |
| " " " | Mar. 1929 | 4 | 300 00 |
| " " " | Nov. 1929 | 3½ | 42,000 00 |
| " " " | Mar. 1930 | 4 | 300 00 |
| " " " | Mar. 1931 | 4 | 300 00 |
| " " " | Aug. 1931 | 3½ | 55,000 00 |
| " " " | Mar. 1932 | 4 | 300 00 |
| " " " | Mar. 1933 | 4 | 300 00 |
| " " " | Apr. 1933 | 3½ | 30,000 00 |
| " " " | Mar. 1934 | 4 | 300 00 |
| " " " | May 1934 | 3½ | 1,000 00 |
| " " " | Mar. 1935 | 4 | 300 00 |
| " " " | Mar. 1936 | 4 | 300 00 |
| " " " | Nov. 1937 | 4 | 10,000 00 |
| " " " | Oct. 1941 | 3½ | 25,000 00 |

| | | | | |
|--|----------|------|----|-----------|
| Cambridge City Bonds | Jan. | 1943 | 3½ | 6,000 00 |
| Pittsburg, Pa., City Bonds..... | Apr. | 1921 | 3½ | 20,000 00 |
| Quincy City Bonds | Apr. | 1921 | 3½ | 2,800 00 |
| Hudson City Bonds | May | 1921 | 4 | 3,000 00 |
| Peabody City Bonds | July 16, | 1921 | 4 | 3,000 00 |
| Lawrence City Bonds | Aug. | 1921 | 4 | 8,000 00 |
| Troy, N. Y., City Bonds | Sept. | 1921 | 4 | 15,000 00 |
| Ipswich Town Bonds | Oct. | 1921 | 4 | 1,000 00 |
| Weymouth Town Bonds | Nov. | 1921 | 4 | 1,000 00 |
| Portland, Ore., City Bonds | Jan. | 1922 | 5 | 8,000 00 |
| Watertown Town Bonds | Jan. | 1922 | 3½ | 9,000 00 |
| Brockton City Bonds | Feb. | 1922 | 3½ | 5,000 00 |
| Cleveland, O., City Bonds | Feb. | 1922 | 4½ | 13,000 00 |
| Quincy City Bonds | Apr. | 1922 | 3½ | 2,800 00 |
| Gardner City Bonds | June | 1922 | 4 | 1,250 00 |
| Reading Town Bonds | June | 1922 | 4 | 5,000 00 |
| Boston City Bonds | June | 1922 | 3½ | 53,000 00 |
| Barre, Vt., City Bonds..... | July | 1922 | 3½ | 24,000 00 |
| Gardner City Bonds | July | 1922 | 4 | 2,500 00 |
| Troy, N. Y., City Bonds | Sept. | 1922 | 4 | 15,000 00 |
| Ipswich Town Bonds | Oct. | 1922 | 4 | 1,000 00 |
| Weymouth Town Bonds | Nov. | 1922 | 4 | 5,000 00 |
| Cleveland, O., City Bonds | Feb. | 1923 | 4½ | 13,000 00 |
| New Bedford City Bonds | Feb. | 1923 | 3½ | 3,000 00 |
| Minneapolis, Minn., City Bonds | Mar. | 1923 | 4½ | 10,000 00 |
| Revere City Bonds | Apr. | 1923 | 3½ | 12,000 00 |
| Providence, R. I., City Bonds | Apr. | 1923 | 4 | 10,000 00 |
| Quincy City Bonds | Apr. | 1923 | 3½ | 2,800 00 |
| Fitchburg City Bonds | May | 1923 | 4 | 6,000 00 |
| Watertown Town Bonds | May | 1923 | 4 | 3,000 00 |
| Gardner City Bonds | June | 1923 | 4 | 1,250 00 |
| Boston City Bonds | June | 1923 | 3½ | 66,000 00 |
| Reading Town Bonds | June | 1923 | 4 | 5,000 00 |
| Fortland, Ore., City Bonds | July | 1923 | 5 | 7,000 00 |
| Gardner City Bonds | July | 1923 | 4 | 2,500 00 |
| Medford City Bonds | July | 1923 | 4 | 2,000 00 |
| Lawrence City Bonds | July | 1923 | 4 | 2,000 00 |
| Medford City Bonds | Aug. | 1923 | 4 | 6,000 00 |
| Jersey City, N. J., City Bonds | Sept. | 1923 | 5 | 50,000 00 |
| Ipswich Town Bonds | Oct. | 1923 | 4 | 1,000 00 |
| Wakefield Town Bonds | Nov. | 1923 | 3½ | 4,000 00 |
| Weymouth Town Bonds | Nov. | 1923 | 4 | 5,000 00 |
| Brookline Town Bonds | Jan. | 1924 | 3½ | 2,000 00 |
| Cleveland, O., City Bonds | Feb. | 1924 | 4½ | 13,000 00 |
| Old Colony R. R. Co. Railroad Bonds..... | Feb. | 1924 | 4 | 7,000 00 |
| Minneapolis, Minn., City Bonds | Mar. | 1924 | 4½ | 10,000 00 |
| Revere City Bonds | Apr. | 1924 | 3½ | 12,000 00 |
| Quincy City Bonds | Apr. | 1924 | 3½ | 2,800 00 |
| Watertown Town Bonds | May | 1924 | 4 | 3,000 00 |
| Greenwich, Conn., City Bonds | May | 1924 | 4½ | 2,000 00 |
| Malden City Bonds | May 2, | 1924 | 4 | 9,000 00 |
| Gardner City Bonds | July | 1924 | 4 | 2,500 00 |
| Fall River City Bonds | July | 1924 | 3½ | 10,000 00 |
| Akron, O., City Bonds | Sept. | 1924 | 5 | 30,000 00 |
| Akron, O., City Bonds | Sept. | 1924 | 5½ | 50,000 00 |
| Marlboro City Bonds | Sept. | 1924 | 4 | 10,000 00 |
| Ipswich Town Bonds | Oct. | 1924 | 4 | 1,000 00 |
| Wakefield Town Bonds | Nov. | 1924 | 3½ | 4,000 00 |
| Weymouth Town Bonds | Nov. | 1924 | 4 | 5,000 00 |
| Norwich, Conn., City Bonds | Jan. | 1925 | 3½ | 26,000 00 |

| | | | | | |
|---|-------|----------|----|---------|----|
| Cleveland, O., City Bonds | Feb. | 1925 | 4½ | 13,000 | 00 |
| Toledo, O., City Bonds | Feb. | 1925 | 4½ | 40,000 | 00 |
| Minneapolis Minn., City Bonds | Mar. | 1925 | 4½ | 25,000 | 00 |
| Revere City Bonds | Apr. | 1925 | 4 | 6,000 | 00 |
| Winchester Town Bonds | May | 1925 | 4 | 6,000 | 00 |
| Cranston, R. I., City Bonds | Sept. | 15, 1925 | 4½ | 30,000 | 00 |
| Ipswich Town Bonds | Oct. | 1925 | 4 | 1,000 | 00 |
| Old Colony R. R. Railroad Bonds | Dec. | 1925 | 4 | 65,000 | 00 |
| Minn., Sault Ste. Marie & Atl. R.R. Bonds.. | Jan. | 1926 | 4 | 30,000 | 00 |
| Cleveland, O., City Bonds | Feb. | 1926 | 4½ | 13,000 | 00 |
| Minneapolis, Minn., City Bonds | Mar. | 1926 | 4½ | 5,000 | 00 |
| Revere City Bonds | Apr. | 1926 | 4 | 6,000 | 00 |
| Revere City Bonds | Apr. | 1926 | 3½ | 2,000 | 00 |
| Quincy City Bonds | May | 1926 | 4 | 1,000 | 00 |
| Providence, R. I., City Bonds | June | 1926 | 4 | 5,000 | 00 |
| Winchester Town Bonds | June | 1926 | 4 | 5,000 | 00 |
| Chicago & Missouri Railroad Bonds | July | 1926 | 5 | 6,000 | 00 |
| Chicago & Northwestern Railroad Bonds.. | Aug. | 15, 1926 | 4 | 50,000 | 00 |
| Natick Town Bonds | Oct. | 1926 | 3½ | 5,000 | 00 |
| Ipswich Town Bonds | Oct. | 1926 | 4 | 1,000 | 00 |
| Weymouth Town Bonds | Nov. | 1926 | 4 | 3,000 | 00 |
| Cleveland, O., City Bonds | Dec. | 1926 | 4½ | 25,000 | 00 |
| Cleveland, O., City Bonds | Feb. | 1927 | 4½ | 13,000 | 00 |
| Stanford, Conn., City Bonds | Feb. | 1927 | 4 | 5,000 | 00 |
| Fitchburg R. R. Co., Railroad Bonds..... | Mar. | 1927 | 4 | 40,000 | 00 |
| Revere City Bonds | Apr. | 1927 | 4 | 6,000 | 00 |
| Lynn City Bonds | Apr. | 1927 | 4 | 10,000 | 00 |
| Taunton City Bonds | June | 1927 | 4 | 5,000 | 00 |
| Arlington Town Bonds | Oct. | 1927 | 4 | 5,000 | 00 |
| Cleveland, O., City Bonds | Dec. | 1927 | 4½ | 25,000 | 00 |
| Cleveland, O., City Bonds | Feb. | 1928 | 4½ | 13,000 | 00 |
| Duluth, Minn., City Bonds | Apr. | 1928 | 4 | 5,000 | 00 |
| Lake Shore & Mich. Southern R.R. Bonds.. | Sept. | 1928 | 4 | 20,000 | 00 |
| Toledo, O., City Bonds | Sept. | 1928 | 4½ | 33,000 | 00 |
| Taunton City Bonds | Dec. | 1928 | 4 | 3,000 | 00 |
| Minneapolis, Minn., City Bonds | Jan. | 1929 | 3½ | 20,000 | 00 |
| Cleveland, O., City Bonds | Feb. | 1929 | 4½ | 13,000 | 00 |
| Westerly, R. I., City Bonds | Feb. | 1929 | 3½ | 5,000 | 00 |
| American Tel. & Tel. Co. Bonds..... | July | 1929 | 4 | 65,000 | 00 |
| Fall River City Bonds | Nov. | 1929 | 3½ | 75,000 | 00 |
| Cleveland, O., City Bonds | Feb. | 1930 | 4½ | 13,000 | 00 |
| Quincy City Bonds | Apr. | 1930 | 3½ | 1,000 | 00 |
| West End St. R. R. Co., Railroad Bonds.... | July | 1930 | 4½ | 50,000 | 00 |
| Minneapolis, Minn., City Bonds | July | 1930 | 4¾ | 5,000 | 00 |
| Quincy City Bonds | Apr. | 1931 | 3½ | 1,000 | 00 |
| Minneapolis, Minn., City Bonds | July | 1931 | 4¾ | 20,000 | 00 |
| St. Paul, Minn., City Bonds | Nov. | 1931 | 4¼ | 50,000 | 00 |
| Omaha, Neb., City Bonds | May | 1932 | 4½ | 10,000 | 00 |
| Brockton City Bonds | Nov. | 1932 | 3½ | 10,000 | 00 |
| Quincy City Bonds | Apr. | 1932 | 3½ | 1,000 | 00 |
| Minneapolis, Minn., City Bonds | Jan. | 1933 | 3½ | 5,000 | 00 |
| New Britain, Conn., City Bonds..... | Aug. | 1933 | 4 | 5,000 | 00 |
| Tremont, Elkhorn & Miss. Val. R.R. Bonds | Oct. | 1933 | 6 | 5,000 | 00 |
| Seattle, Wash., City Bonds | July | 1934 | 4½ | 10,000 | 00 |
| Augusta, Me., Water District Bonds..... | Aug. | 1934 | 4 | 10,000 | 00 |
| Waterbury, Conn., City Bonds | Jan. | 1935 | 3½ | 10,000 | 00 |
| Maine Central R. R. Co., Railroad Bonds.... | Dec. | 1935 | 4½ | 100,000 | 00 |
| Fall River City Bonds | Mar. | 1936 | 4 | 15,000 | 00 |

\$2,672,900 00

United States Bonds

| | | | |
|------------------------|----------------|----|----------------|
| 5th Victory Loan | May 20, 1923 | 4¾ | \$35,000 00 |
| 3rd Liberty Loan | Sept. 15, 1928 | 4¼ | 210,000 00 |
| 4th Liberty Loan | Oct. 15, 1938 | 4¼ | 585,000 00 |
| 1st Liberty Loan | June 15, 1947 | 3½ | 75,000 00 |
| Total | | | \$3,577,900 00 |

The following are the investments belonging to the Water Loan Fund:

| | | | |
|---|--------------|----|-------------|
| Cambridge City Bonds | May 1921 | 3½ | \$12,500 00 |
| “ “ “ | July 1921 | 4 | 1,000 00 |
| “ “ “ | Mar. 1922 | 4 | 500 00 |
| “ “ “ | May 1922 | 3½ | 12,500 00 |
| “ “ “ | Mar. 1923 | 4 | 500 00 |
| “ “ “ | May 1923 | 3½ | 12,500 00 |
| “ “ “ | Feb. 1924 | 4 | 38,000 00 |
| “ “ “ | Mar. 1924 | 4 | 500 00 |
| “ “ “ | Apr. 1924 | 4 | 8,000 00 |
| “ “ “ | Apr. 1924 | 3½ | 23,000 00 |
| “ “ “ | May 1924 | 3½ | 17,500 00 |
| “ “ “ | Mar. 1925 | 4 | 500 00 |
| “ “ “ | Mar. 1926 | 4 | 500 00 |
| “ “ “ | May 1926 | 4 | 1,000 00 |
| “ “ “ | Mar. 1927 | 4 | 500 00 |
| “ “ “ | June 1927 | 4 | 1,000 00 |
| “ “ “ | Mar. 1928 | 4 | 500 00 |
| “ “ “ | Mar. 1929 | 4 | 500 00 |
| “ “ “ | Mar. 1930 | 4 | 500 00 |
| “ “ “ | Mar. 1931 | 4 | 500 00 |
| “ “ “ | Mar. 1932 | 4 | 500 00 |
| “ “ “ | Mar. 1933 | 4 | 500 00 |
| “ “ “ | Apr. 1933 | 3½ | 1,000 00 |
| “ “ “ | Nov. 1934 | 3½ | 4,000 00 |
| “ “ “ | Sept. 1937 | 3½ | 3,000 00 |
| Natick City Bonds | Oct. 1921 | 3½ | 5,000 00 |
| Lynn City Bonds | Jan. 1922 | 4 | 10,000 00 |
| Newport, R. I., City Bonds | Mar. 2, 1922 | 4½ | 3,000 00 |
| Revere City Bonds | Apr. 1922 | 3½ | 7,000 00 |
| Fitchburg City Bonds | Apr. 1922 | 4 | 7,000 00 |
| Lawrence City Bonds | Aug. 1922 | 4 | 4,000 00 |
| Natick City Bonds | Oct. 1922 | 3½ | 8,000 00 |
| Newport, R. I., City Bonds | Mar. 2, 1923 | 4½ | 3,000 00 |
| Lynn City Bonds | Apr. 1923 | 4 | 25,000 00 |
| Quincy City Bonds | May 1923 | 4 | 2,000 00 |
| Natick City Bonds | Oct. 1923 | 3½ | 7,000 00 |
| Newton City Bonds | Jan. 1924 | 4 | 2,000 00 |
| Old Colony R. R. Co., Railroad Bonds..... | Feb. 1924 | 4 | 3,000 00 |
| Quincy City Bonds | May 1924 | 4 | 1,000 00 |
| Rochester, N. Y., City Bonds | July 1924 | 3½ | 35,000 00 |
| Lewiston, Me., City Bonds | July 1924 | 4 | 23,000 00 |
| Salem City Bonds | Sept. 1924 | 3½ | 3,000 00 |
| Natick City Bonds | Oct. 1924 | 3½ | 5,000 00 |
| Central Falls, R. I., City Bonds | Dec. 1924 | 4 | 5,000 00 |
| Quincy City Bonds | May 1925 | 4 | 2,000 00 |
| Salem City Bonds | Sept. 1925 | 3½ | 5,000 00 |
| Leominster City Bonds | Oct. 1925 | 4 | 29,000 00 |

| | | | | | |
|---|------|------|----|--------|--------------|
| Central Falls, R. I., City Bonds | Dec. | 1925 | 4 | 10,000 | 00 |
| Quincy City Bonds | May | 1926 | 4 | 3,000 | 00 |
| Burlington, Vt., City Bonds | July | 1926 | 4 | 10,000 | 00 |
| Central Falls, R. I., City Bonds | Dec. | 1926 | 4 | 10,000 | 00 |
| Quincy City Bonds | May | 1927 | 4 | 3,000 | 00 |
| Attleborough City Bonds | July | 1927 | 4 | 10,000 | 00 |
| Quincy City Bonds | May | 1928 | 4 | 3,000 | 00 |
| Winchester Town Bonds | June | 1928 | 4 | 6,000 | 00 |
| Quincy City Bonds | May | 1929 | 4 | 3,000 | 00 |
| Quincy City Bonds | May | 1930 | 4 | 3,000 | 00 |
| Quincy City Bonds | May | 1931 | 4 | 3,000 | 00 |
| Quincy City Bonds | May | 1932 | 4 | 1,000 | 00 |
| Newton City Bonds | Aug. | 1935 | 4 | 2,000 | 00 |
| Newton City Bonds | July | 1936 | 4 | 11,000 | 00 |
| Grafton Town Bonds | July | 1937 | 3½ | 1,000 | 00 |
| Old Colony R. R. Co., Railroad Bonds..... | Jan. | 1938 | 4 | 25,000 | 00 |
| Grafton Town Bonds | July | 1938 | 3½ | 2,000 | 00 |
| Grafton Town Bonds | July | 1939 | 3½ | 2,000 | 00 |
| | | | | | <hr/> |
| | | | | | \$443,000 00 |

United States Bonds

| | | | | |
|------------------------|----------------|----|-----------|----|
| 5th Victory Loan | May 20, 1923 | 4¾ | \$40,000 | 00 |
| 3rd Liberty Loan | Sept. 15, 1928 | 4¼ | 45,000 | 00 |
| 4th Liberty Loan | Oct. 15, 1938 | 4¼ | 110,000 | 00 |
| | | | <hr/> | |
| Total | | | \$638,000 | 00 |

MUNICIPAL FUND ACCOUNT

Bond Account

| | | |
|---|--------------|----------------|
| Amount of bonds in fund March 31, 1920..... | | \$3,322,050 00 |
| Amount of bonds purchased | | 647,500 00 |
| | | <hr/> |
| | | \$3,969,550 00 |
| Amount of bonds matured | \$299,150 00 | |
| Amount of bonds sold | 92,500 00 | |
| | <hr/> | 391,650 00 |
| Amount of bonds in fund March 31, 1921..... | | \$3,577,900 00 |

Cash Account

Dr.

| | |
|--|--------------|
| Cash on hand March 31, 1920..... | \$23,381 84 |
| Received from City of Cambridge Annual Re- quirements | 172,205 50 |
| Received interest on invested funds | 139,400 28 |
| Received from matured bonds | 299,150 00 |
| Received from bonds sold | 81,300 00 |
| Received discount on bonds purchased..... | 78,375 50 |
| | <hr/> |
| | \$793,813 12 |

Cr.

| | | |
|--|--------------|----------------|
| Paid to City Treasurer to redeem Municipal Debt maturing during the year..... | \$109,800 00 | |
| Paid for bonds purchased | 647,500 00 | |
| Paid for interest accrued on bonds purchased | 3,876 43 | |
| Balance on deposit in Charles River Trust Co. | 32,636 69 | \$32,636 69 |
| | <hr/> | |
| | \$793,813 12 | |
| Total amount of funds March 31, 1921..... | | \$3,610,536 69 |

WATER LOAN FUUD

Bond Account

| | | |
|---|--------------|--------------|
| Amount of bonds in fund March 31, 1920..... | \$629,500 00 | |
| Amount of bonds purchased | 167,000 00 | |
| | <hr/> | \$796,500 00 |
| Amount of bonds matured | \$133,500 00 | |
| Amount of bonds sold | 25,000 | |
| | <hr/> | \$158,500 00 |
| | | <hr/> |
| | | \$638,000 00 |

Cash Account

Dr.

| | |
|--|--------------|
| Cash on hand March 31, 1920..... | \$13,049 52 |
| Received from matured bonds | 133,500 00 |
| Received from bonds sold | 21,500 00 |
| Received interest on invested funds | 26,357 63 |
| Received discount on bonds purchased | 18,251 75 |
| | <hr/> |
| | \$212,658 90 |

Cr.

| | | |
|---|--------------|--------------|
| Paid to City Treasurer to redeem Water Bonds maturing during the year | \$30,000 00 | |
| Paid for bonds purchased | 167,000 00 | |
| Paid interest accrued on bonds purchased..... | 935 31 | |
| Balance on deposit in Harvard Trust Co., March 31, 1921 | 14,723 59 | \$14,723 59 |
| | <hr/> | |
| | \$212,658 90 | |
| Total amount of fund March 31, 1921..... | | \$652,723 59 |

The Committee appointed to audit the accounts of the Treasurer of the funds reports that his accounts are correct and properly vouched and his books are well kept. The bonds and coupons have been examined and checked up and found correct. The interest, bond, and cash transactions of the Treasurer during the year have been carefully computed independently of his books and their correctness thereby proved.

HERBERT M. BRIDEY,
R. W. KNOWLES,
Auditing Committee.

Municipal bonds to the amount of \$109,800.00 became due during the year ending March 31, 1921, and were paid from this fund. The total amount of municipal debt to be paid from the Sinking Fund now outstanding is \$6,734,500.00. Deducting the present amount of the Sinking Funds at *par value*, \$3,610,536.69 leaves the net amount of municipal debt chargeable to this fund March 31, 1921, \$3,123,963.31. There will be due to this fund from taxation November 30, 1921, the sum of \$157,872.50. During the coming financial year municipal bonds to the amount of \$397,500.00 will become payable from this fund.

Water bonds amounting to \$30,000.00 became due during the year and were paid from this fund. The total amount of water debt now outstanding is \$822,000.00. Deducting the present amount of the Sinking Funds at *par value*, \$652,723.59, leaves the net amount of the water debt chargeable to this fund March 31, 1921, \$169,276.41. During the coming year, water bonds to the amount of \$30,000.00 will become payable from the fund. Owing to the large amount of surplus revenue paid to this fund in recent years, no further payments will be required to complete the pay-

ment of the balance of the debt for which the Water Fund was created.

All municipal debt, either for municipal purposes or for water works, must now be issued serially and this board has no duty to perform in regard to any debt now incurred for any purpose.

For convenience in keeping the accounts of the funds the first Commissioners of both the Municipal and Water Funds entered all bonds purchased at par value regardless of the price paid for them and entered all interest received at the gross amount without any deduction for the proportion of premiums paid, and this practice has continued to the present time. As a result, the annual reports do not show the actual value of the funds at any time, and do not show the actual income for any year. It has been the rule of the Commissioners to charge all premiums paid to expense and all discounts to income. All bonds have been held to maturity with almost no exceptions, so that the ultimate result has been the same as if the funds were valued each year at either cost price or market value.

It has also been a rule with the Commissioners to keep the funds in their charge closely invested rather than to carry large balances on deposit in the banks. This has been possible owing to the care given by the Commissioners to so invest their funds that sufficient sums shall mature at the dates required, to pay maturing debt. That the Commissioners have been able to do so is shown by the fact that no bonds have been sold at any time to furnish funds to pay debts, as it became due.

The change of the end of the financial year from November 30 to March 31, has required that the payments to the Sinking Funds should be based upon the debt incurred prior to April, 1909, outstanding on the 30th of November, previous to the end of the present financial year, as formerly.

GEORGE G. WRIGHT,
HERBERT M. BRIDEY,
R. W. KNOWLES,
AGUSTUS GOEPPER,
DANIEL CRONIN,
FRANCIS J. CARNEY.

REPORT OF THE FINANCE COMMITTEE

To the Committee on Finance:

Gentlemen:

The sub-committee appointed to examine the cash in the hands of the City Treasurer at the close of business on March 31, 1921, would respectfully report as follows:—

| | |
|---|--------------|
| Actual cash and business checks in City Treasurer's Office amount to | \$3,893 16 |
| Also certificates of deposit showing balances at the close of business to the credit of the City Treasurer. | |
| 1. Harvard Trust Company of Cambridge | 95,650 62 |
| 2. Cambridge Trust Company of Cambridge | 802 83 |
| 3. Charles River Trust Company of Cambridge..... | 536 83 |
| 4. Central Trust Company of Cambridge | 1,012 63 |
| 5. Guaranty Trust Company of Cambridge | 68,929 14 |
| 6. Lechmere National Bank of Cambridge | 1,717 64 |
| 7. Inman Trust Company of Cambridge | 53,913 45 |
| 8. Tremont Trust Company of Boston | 262,791 90 |
| 9. Prudential Trust Company of Boston | 5,731 62 |
| 10. Manufacturers' National Bank of Cambridge | 1,629 89 |
| 11. Federal Trust Company of Boston | 1,084 39 |
| 12. Highland Trust Company of Somerville | 56,454 29 |
| Total | \$554,148 39 |
| Less outstanding checks | 32,327 46 |
| Cash on hand, March 31, 1921 | \$521,820 93 |

JAMES E. MAHLER.

(Signed) HUGH G. ANDERSON,
JAMES T. BARRETT,

After the above examination by your Committee, March 31, 1921, additional entries belonging to the financial year ending were made as follows:

RECEIPTS

| | |
|-------------------------------|-------------|
| On account: | |
| Income Tax 1920 | \$14,390 00 |
| Licenses | 117 80 |
| Court Fines | 1,900 20 |
| City Clerk (Fees) | 41 25 |
| Cash Variation | 1,590 30 |
| Interest on Taxes | 1,005 56 |
| City Treasurer's (Fees) | 1,500 00 |
| Law Department | 1,000 00 |
| Street Department | 149 00 |
| Hospital | 22 00 |

| | | |
|--|----------|--------------|
| Postage and Stationery | 43 95 | |
| Telephone Exchange | 406 59 | |
| Pensions | 2,942 16 | |
| Water Department (Miscellaneous) | 347 09 | |
| Interest on Deposit | 31 69 | |
| Refund City Council Expenses | 500 00 | |
| | | <hr/> |
| | | \$25,987 59 |
| | | <hr/> |
| | | \$547,808 52 |

EXPENDITURES

On account:

| | | |
|---|-----------|--------------|
| Draft No. 533 | \$945 50 | |
| Draft No. 528 | 69,143 76 | |
| Draft No. 534 | 8,191 07 | |
| Draft No. 535 | 15,607 13 | |
| | | <hr/> |
| | | 93,887 46 |
| Which deducted from the foregoing total receipts shows a balance in the City Treasurer's hands as of March 31, 1921, of | | 453,921 06 |
| After examination March 31st, an error was found in Draft No. 482 reduced this amount..... | | 100 00 |
| | | <hr/> |
| Showing true balance March 31, 1921, to be | | \$453,821 06 |

The sub-committee also examined the total cash receipts and expenditures, as per City Treasurer's Ledger, and find the same to be as follows:

| | |
|---|----------------|
| Cash Balance, March 31, 1921 | \$248,870 84 |
| Cash receipts for year ending March 31, 1921..... | 9,407,136 76 |
| | <hr/> |
| Total cash for year ending March 31, 1921..... | \$9,655,907 60 |
| Total cash expenditures for year ending March 31, 1921..... | 9,202,186 54 |
| Which deducted from total receipts shows a cash balance as | <hr/> |
| of March 31, 1921 | \$453,821 06 |

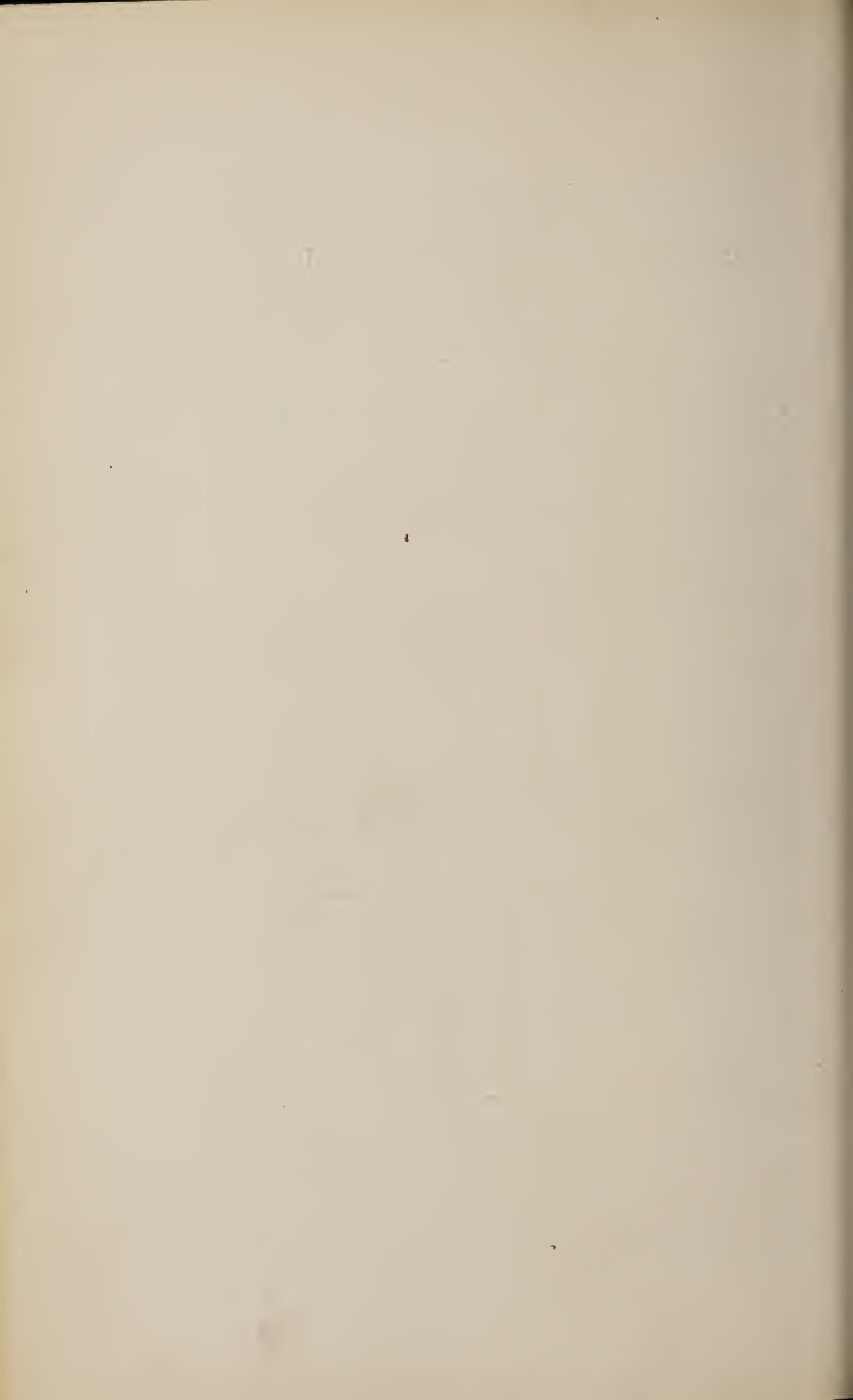
The above statement of receipts and expenditures was verified by comparison with the City Auditor's statement for the year ending March 31, 1921. The sub-committee also examined the securities belonging to the Cemetery Fund and Sarah E. Russell Fund, both held in trust by the City Treasurer, and find the same to be correct.

JAMES T. BARRETT,
HUGH G. ANDERSON,
JAMES E. MAHLER,

Sub-Committee on Finance.

The foregoing report was transmitted for inclusion in the general report of the Committee hereinbefore given.

Committee on Finance.



ANNUAL REPORT OF THE CITY AUDITOR

City Auditor's Office,
April 1, 1921.

To the Honorable, the City Council:—

The undersigned herewith presents a statement of the receipts and payments of the City of Cambridge for the year beginning on the first day of April, 1920, and ending on the thirty-first day of March, 1921.

The first part of this report is devoted to an exhibit arranged upon the Schedules for Uniform Municipal Accounting as issued by the Bureau of Statistics by the Commonwealth of Massachusetts. Following these schedules are presented detailed statements arranged in the same order, together with the usual matters given in the Auditor's report, including a schedule of the city property.

Respectfully submitted,

CHARLES H. THURSTON,
City Auditor.

SCHEDULE A — IV.

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Revenue for Outlays | Total |
|--|----------------------------|---------------------------|----------------|
| GENERAL REVENUE | | | |
| 1. TAXES | | | |
| Current Year | | | |
| 1. Property | \$3,013,546 16 | | |
| 2. Poll | | | |
| Previous Years | | | |
| 3. Property | 642,782 69 | | |
| 4. Poll | | | |
| From the State | | | |
| 5. Corporation | 361,096 68 | | |
| 6. Street Railway (exclusive of Boston Elevated excise tax) | 18,031 68 | | |
| 7. Bank | 26,509 61 | | |
| Income Tax | 486,337 87 | | |
| Total from Taxes..... | \$4,548,298 58 | | \$4,548,298 58 |
| 2. LICENSES AND PERMITS | | | |
| Licenses | | | |
| 8. Liquor | | | |
| 9. All other | \$12,555 75 | | |
| Permits | | | |
| 10. Marriage | 1,404 00 | | |
| 11. All other | 8,962 96 | | |
| Total from Licenses and Permits. | \$22,922 71 | | \$22,922 71 |
| 3. FINES AND FORFEITS | | | |
| 12. Court | \$5,813 80 | | |
| 13. Department Penalties | | | |
| 14. Contract Violations | | | |
| Total from Fines and Forfeits.... | \$5,813 80 | | \$5,813 80 |
| Total forward | | | \$4,577,035 09 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Revenue for Outlays | Total |
|--|----------------------------|---------------------------|----------------|
| Total forward | | | \$4,577,035 09 |
| 4. GRANTS AND GIFTS | | | |
| Grants from Other Civil Divisions | | | |
| 15. From State, for Education.... | | | |
| a. Support of Public Schools.. | | | |
| b. Aid to High Schools..... | \$1,947 29 | | |
| c. Aid to Vocational Schools.. | | | |
| d. High School Tuition..... | | | |
| e. Union Superintendency | | | |
| f. Americanization foreign born | 1,859 97 | | |
| 16. From State, for Armories..... | | | |
| 17. From State, for Highway Purposes | | | |
| 18. From State, for other purposes | | | |
| a. Inspector of Animals..... | | | |
| b. Protection Against Forest Fires | | | |
| c. | | | |
| d. | | | |
| 19. From County (Dog Licenses), Schools or Libraries..... | 2,819 80 | | |
| Gifts from Individuals | | | |
| 20. For Expenses | 307 40 | | |
| 21. For Outlays | | | |
| Total from Grants and Gifts..... | \$6,934 46 | | \$6,934 46 |
| 5. ALL OTHER GENERAL REVENUE | | | |
| 22. | | | |
| 23. | | | |
| Total from all other General Revenue | | | |
| Total forward | | | \$4,583,969 55 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Offsets to Outlays | Total |
|-----------------------------------|----------------------------|--------------------------|----------------|
| Total forward | | | \$4,583,969 55 |
| COMMERCIAL REVENUE | | | |
| 6. SPECIAL ASSESSMENTS* | | | |
| 24. Street Sprinkling | \$51 40 | | |
| 25. Moth Extermination | 851 94 | | |
| 26. Sewers | | | |
| 27. Sidewalks and Curbing..... | | \$2,296 25 | |
| 28. Other Purposes | | 9,346 96 | |
| Total from Special Assessments... | \$903 34 | \$11,643 21 | \$12,546 55 |
| 7. PRIVILEGES | | | |
| 29. Public Service | | | |
| 30. Minor | | | |
| Total from Privileges..... | | | |
| Total forward | | | \$4,596,516 10 |

No entries to be made on this page

SEE STATE REPORT

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Offsets to Outlays | Total |
|---|----------------------------|--------------------------|----------------|
| Total forward | | | \$4,596,516 10 |
| 8. DEPARTMENTAL | | | |
| 8a. General Government | | | |
| Legislative | | | |
| 31. Aldermen and Council; Modera- tor | | | |
| Executive | | | |
| 32. Mayor; Commissioner; Select- men | | | |
| Financial | | | |
| 33. Auditor, Accountant, and Aud- iting | | | |
| 34. Treasurer | 4,137 70 | | |
| 35. Collector | | | |
| 36. Assessors | | | |
| 37. License Commissioners | | | |
| 38. Other Finance Offices and Ac- counts | | | |
| Other General Departments | | | |
| 39. Law | | | |
| 40. City or Town Clerk | 1,827 55 | | |
| General Government Forward..... | \$5,965 25 | | |
| Total forward | | | \$4,596,516 10 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | Expenses | Outlays | Total |
|---|--------------|---------|-------|
| 1. DEPARTMENTAL | | | |
| 1a. General Government | | | |
| Legislative | | | |
| 1. Aldermen and Council; Moderator | | | |
| a. Salaries and Wages | \$13,287 00 | | |
| b. Other Expenses | 13,705 75 | | |
| Executive | | | |
| 2. Mayor; Commission; Selectmen | | | |
| a. Salaries and Wages | 10,664 50 | | |
| b. Other Expenses | 6,826 72 | | |
| Financial | | | |
| 3. Auditor, Accountant, and Auditing | | | |
| a. Salaries and Wages | 8,498 43 | | |
| b. Other Expenses | 5,916 94 | | |
| 4. Treasurer | | | |
| a. Salaries and Wages | 21,676 15 | | |
| b. Other Expenses | 9,062 86 | | |
| 5. Collector | | | |
| a. Salaries and Wages | | | |
| b. Other Expenses | | | |
| 6. Assessors | | | |
| a. Salaries and Wages | 22,926 03 | | |
| b. Other Expenses | 4,634 49 | | |
| 7. License Commissioners | | | |
| a. Salaries and Wages | 3,378 00 | | |
| b. Other Expenses | 757 94 | | |
| 8. Other Finance Offices and Accounts | | | |
| a. Sinking Fund Commissioners | 540 00 | | |
| b. Miscellaneous | 1,612 50 | | |
| Other General Departments | | | |
| 9. Law | | | |
| a. Salaries and Wages | 5,012 31 | | |
| b. Other Expenses | 3,134 32 | | |
| City or Town Clerk | | | |
| a. Salaries and Wages | 11,316 97 | | |
| b. Other Expenses | 1,978 09 | | |
| General Government forward | \$144,929 00 | | |
| Total forward | | | |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Offsets to Outlays | Total |
|---|----------------------------|--------------------------|----------------|
| Total forward | | | \$4,596,516 10 |
| General Government forward..... | \$5,965 25 | | |
| 41. City Messenger | | | |
| 42. Public Works | | | |
| 43. Engineering | | | |
| 44. Superintendent of Buildings.. | | | |
| 45. Election and Registration..... | | | |
| 46. Other General Departments... | | | |
| Municipal Buildings | | | |
| 47. City or Town Hall..... | 44 03 | | |
| Total from General Government... | \$6,009 28 | | \$6,009 28 |
| Sb. Protection of Persons and Property | | | |
| Police Department | | | |
| 48. Services of Officers | \$5,325 75 | | |
| 49. Sale of Materials..... | 26 00 | | |
| 50. Miscellaneous | 27 15 | | |
| Protection of Persons and Property forward | \$5,378 90 | | |
| Total forward | | | \$4,602,525 38 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | Expenses | Outlays | Total |
|---|--------------|------------|--------------|
| Total forward | | | |
| General Government forward..... | \$144,929 00 | | |
| 11. City Messenger | | | |
| a. Salaries and Wages | \$2,965 00 | | |
| b. Other Expenses | 480 85 | | |
| 12. Public Works | | | |
| a. Salaries and Wages | | | |
| b. Other Expenses | | | |
| 13. Engineering | | | |
| a. Salaries and Wages | 5,939 72 | | |
| b. Other Expenses | 1,042 47 | | |
| 14. Superintendent of Buildings... | | | |
| a. Salaries and Wages..... | 3,988 00 | | |
| b. Other Expenses | 1,646 08 | \$958 03 | |
| 15. Election and Registration | | | |
| a. Salaries and Wages..... | 16,923 51 | | |
| b. Other Expenses | 14,899 32 | | |
| 16. Other General Departments... | | | |
| a. Civil Service Labor Regis- | | | |
| tration | 400 00 | | |
| b. Planning Board | 1,867 35 | | |
| Municipal Buildings | | | |
| 17. City or Town Hall..... | | | |
| a. Salaries and Wages..... | 19,821 40 | | |
| *b. Other Expenses | 19,392 41 | | |
| Total for General Government..... | \$234,295 11 | \$958 03 | \$235,253 14 |
| 1b. Protection of Persons and Property | | | |
| Police Department | | | |
| 18. Salaries and Wages..... | \$344,724 96 | | |
| 19. Horses and Care of Same..... | | | |
| *20. Equipment and Repairs..... | 5,040 70 | \$4,575 03 | |
| 21. Fuel and Light..... | 1,550 92 | | |
| 22. Maintenance of Buildings and | | | |
| Grounds | 1,405 34 | | |
| *23. New Buildings | | | |
| 24. Other Expenses | 3,821 16 | | |
| Protection of Persons and Property | | | |
| forward | \$356,543 08 | \$4,575 03 | |
| Total forward | | | \$235,253 14 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Offsets to Outlays | Total |
|--|----------------------------|--------------------------|----------------|
| Total forward | | | \$4,602,525 38 |
| Protection of Persons and Property forward | \$5,378 90 | | |
| Fire Department | | | |
| 51. Sale of Materials | 438 65 | | |
| 52. Miscellaneous | | | |
| Militia | | | |
| 53. Armories | | | |
| 54. Rifle Ranges | | | |
| Inspection | | | |
| 55. Inspection of Buildings | | | |
| 56. Inspection of Wires..... | | | |
| 57. Sealing of Weights and Meas- ures | 811 16 | | |
| Forestry | | | |
| 58. Insect Pest Extermination.... | | | |
| 59. Planting and Trimming Trees. | 63 75 | | |
| 60. Forest Fires | | | |
| Other Protection of Persons and Property | | | |
| 61. Bounties | | | |
| 62. | | | |
| 63. | | | |
| Total from Protection of Persons and Property | \$6,692 46 | | \$6,692 46 |
| Total forward | | | \$4,609,217 84 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | Expenses | Outlays | Total |
|--|--------------|-------------|----------------|
| Total forward | | | \$235,253 14 |
| Protection of Persons and Property forward | \$356,543 08 | \$4,575 03 | |
| Fire Department | | | |
| 25. Salaries and Wages | 296,982 54 | | |
| 26. Horses and Care of Same..... | 7,073 31 | | |
| *27. Equipment and Repairs..... | 7,506 00 | 28,760 00 | |
| 28. Hydrant Service | | | |
| 29. Fuel and Light..... | 10,004 51 | | |
| 30. Maintenance of Buildings and Grounds | 5,919 91 | | |
| *31. New Buildings | | | |
| 32. Other Expenses | 536 87 | | |
| Militia | | | |
| 33. Armories | | | |
| 34. Rifle Ranges | | | |
| Inspection | | | |
| 35. Inspection of Buildings | 8,453 82 | | |
| 36. Inspection of Wires | 5,483 13 | | |
| 37. Sealing of Weights and Measures | 8,826 51 | | |
| Forestry | | | |
| 38. Insect Pest Extermination.... | 5,885 18 | | |
| 39. Planting and Trimming Trees. | 7,791 07 | | |
| 40. Forest Fires | | | |
| Other Protection of Persons and Property | | | |
| 41. Bounties | | | |
| 42. Game Warden | 50 00 | | |
| 43. Fire Alarm, Police Telegraph and Inspector of Wires..... | 32,415 13 | | |
| 44. Fire Prevention Acts, 1914, Chapter 795 | 1,770 44 | | |
| Total for Protection of Persons and Property | \$755,241 50 | \$33,335 03 | \$788,576 53 |
| Total forward | | | \$1,023,829 67 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Offsets to Outlays | Total |
|--|----------------------------|--------------------------|----------------|
| Total forward | | | \$4,609,217 84 |
| Sc. Health and Sanitation | | | |
| Health | | | |
| 64. Quarantine and Contagious Disease Hospitals | \$3,669 46 | | |
| 65. Tuberculosis | 34,662 89 | | |
| 66. Miscellaneous | 143 65 | | |
| 67. Inspection | | | |
| Sanitation | | | |
| 68. Sewers and Sewage Disposal.. | 479 00 | | |
| 69. Sewer Construction | | | |
| 70. Refuse and Garbage Disposal. | 22,171 80 | | |
| 71. Street Cleaning | | | |
| Other Health and Sanitation | | | |
| 72. | | | |
| 73. | | | |
| Total from Health and Sanitation. | \$61,126 80 | | \$61,126.80 |
| Total forward | | | \$4,670,344 64 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | Expenses | Outlays | Total |
|--|--------------|-------------|----------------|
| Total forward | | | \$1,023,829 67 |
| 1c. Health and Sanitation | | | |
| Health | | | |
| 45. General Administration | \$14,899 67 | | |
| *46. Quarantine and Contagious Disease Hospitals | 19,180 50 | | |
| *47. Tuberculosis | 58,818 92 | | |
| 48. Vital Statistics | 1,365 75 | | |
| 49. Other Expenses | 8,970 43 | | |
| a. Abatement smoke nuisance. | 657 98 | | |
| 50. Inspection | | | |
| a. Inspection of School Chil- dren | 17,601 12 | | |
| b. Inspection of Animals.... | 2,792 66 | | |
| c. Inspection of Meat and Pro- visions | 3,440.00 | | |
| d. Inspection of Milk and Vin- egar | 3,982 65 | | |
| Sanitation | | | |
| 51. Sewer Maintenance and Oper- ation | 22,170 48 | | |
| 52. Metropolitan Sewer Mainte- nance | 45,821 90 | | |
| *53. Sewer Construction | | \$80,090 27 | |
| *54. Refuse and Garbage Disposal. | 203,688 79 | 1,526 94 | |
| *55. Street Cleaning | 106,323 82 | | |
| Other Health and Sanitation | | | |
| *56. Sanitaries and Public Conven- ience Stations | | | |
| 57. Care of Brooks and Streams.. | | | |
| 58. Draining of Ponds..... | | | |
| 59. Suppression Flies and Mosqui- toes | 3,419 01 | | |
| Total for Health and Sanitation... | \$513,133 68 | \$81,617 21 | \$594,750 89 |
| Total forward | | | \$1,618,580 56 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Offsets to Outlays | Total |
|--|----------------------------|--------------------------|----------------|
| Total forward | | | \$4,670,344 64 |
| 8d. Highways | | | |
| 74. General | \$1,742 36 | | |
| 75. Construction | | | |
| 76. Sidewalks and Curbing | 4,021 75 | | |
| 77. Snow and Ice Removal..... | | | |
| 78. Sprinkling | | | |
| a. Water | | | |
| b. Other | | | |
| 79. Lighting | | | |
| 80. Miscellaneous | | | |
| Total from Highways | \$5,764 11 | | \$5,764 11 |
| 8e. Charities | | | |
| 81. Almshouse or Town Farm.... | | | |
| a. Sale of Produce and Stock.. | \$1,655 99 | | |
| b. Board | 3,000 15 | | |
| c. Miscellaneous | 137 05 | | |
| 82. Reimbursements for Relief Given | | | |
| a. From Individuals | | | |
| b. From other Cities and Towns | 1,957 32 | | |
| c. From the State | 16,105 30 | | |
| 83. Reimbursements for Mothers' Aid | | | |
| a. From Individuals | | | |
| b. From other Cities and Towns | 1,449 90 | | |
| c. From the State | 45,666 41 | | |
| 84. Municipal General Hospitals.. | 24,544 54 | | |
| 82. Miscellaneous | | | |
| Total from Charities..... | \$94,516 66 | | \$94,516 66 |
| Total forward | | | \$4,770,625 41 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | Expenses | Outlays | Total |
|---|--------------|--------------|----------------|
| Total forward | | | \$1,618,580 56 |
| 1d. Highways | | | |
| 60. General Administration | \$9,297 41 | | |
| 61. General Highway Expenditures | 229,131 61 | | |
| *62. Construction | | \$236,305 17 | |
| *63. Sidewalks and Curbing..... | 5,952 27 | 38,516 84 | |
| 64. Snow and Ice Removal..... | 13,047 71 | | |
| *65. Sprinkling | | | |
| a. Water | 7,248 27 | | |
| b. Other | 14,780 70 | | |
| 66. Lighting | 79,873 13 | | |
| 67. Other Expenses | | | |
| a. Town Pump | | | |
| b. Signs, Guide Boards, and Street Numbering | 706 07 | | |
| c. | | | |
| Total for Highways | \$360,037 17 | \$274,822 01 | \$634,859 18 |
| 1e. Charities | | | |
| 68. General Administration | \$11,334 59 | \$780 08 | |
| *69. Almshouse or Town Farm ... | 42,145 81 | | |
| 70. Outside Relief by City or Town | 74,332 34 | | |
| 71. Relief given by Other Cities or Towns | 5,568 35 | | |
| 72. Mothers' Aid | | | |
| a. Relief given by City or Town | 73,713 94 | | |
| b. Relief given by Other Cities and Towns | 976 17 | | |
| *73. Municipal General Hospitals.. | 76,494 72 | 51,939 93 | |
| 74. Other Expenses | | | |
| Total for Charities | \$284,565 92 | \$52,720 01 | \$337,285 93 |
| Total forward | | | \$2,590,725 67 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Offsets to Outlays | Total |
|--|----------------------------|--------------------------|----------------|
| Total forward | | | \$4,770,625 41 |
| 8f. Soldiers' Benefits | | | |
| 86. State Aid | \$36,397 10 | | |
| 87. Military Aid | 1,335 00 | | |
| 88. Soldiers' Burials | 400 00 | | |
| 89. Soldiers' Relief | | | |
| Total from Soldiers' Benefits..... | \$38,132 10 | | \$38,132 10 |
| 8g. Schools | | | |
| 90. Tuition and Transportation of State Wards | \$1,691 25 | | |
| 91. Other Tuition | 4,262 75 | | |
| 92. Sale of Text-Books and Supplies | 1,548 30 | | |
| 93. Miscellaneous | 12,016 07 | | |
| a. Sales of Food High School Lunch | | | |
| b. Fresh Air and Trade School Lunches | | | |
| Total from Schools..... | \$19,518 37 | | \$19,518 37 |
| 8h. Libraries | | | |
| 94. Fines, Rentals, and Sales..... | \$1,772 65 | | |
| 95. Miscellaneous | | | |
| Total from Libraries | \$1,772 65 | | \$1,772 65 |
| Total forward | | | \$4,830,048 53 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | Expenses | Outlays | Total |
|---|----------------|---------|----------------|
| Total forward | | | \$2,590,725 67 |
| 1f. Soldiers' Benefits | | | |
| 75. General Administration | \$7,431 95 | | |
| 76. State Aid | 7,441 00 | | |
| 77. Military Aid | 5,606 50 | | |
| 78. Soldiers' Burials | 257 46 | | |
| 79. Soldiers' Relief | 43,076 05 | | |
| Total for Soldiers' Benefits..... | \$63,812 96 | | \$63,812 96 |
| 1g. Schools | | | |
| 80. General Expenses | | | |
| Smith Hughes Fund | \$583 36 | | |
| a. Administrative Salaries ... | 8,644 00 | | |
| b. Other General Salaries..... | 28,375 50 | | |
| c. Other General Expenses ... | 7,408 65 | | |
| 81. Teachers' Salaries | 924,519 50 | | |
| 82. Text-Books and Supplies..... | 68,487 89 | | |
| 83. Tuition | 461 92 | | |
| 84. Transportation | 699 52 | | |
| 85. Support of Truants | 76 71 | | |
| 86. Janitors' Services | 78,170 64 | | |
| 87. Fuel and Light | 62,572 67 | | |
| 88. Maintenance of Buildings and Grounds | 35,500 34 | | |
| *89. New Buildings | | | |
| *90. Furniture and Furnishings ... | 1,480 85 | | |
| 91. Rent | | | |
| 92. Other Expenses | 4,289 83 | | |
| Total for Schools | \$1,221,271 38 | | \$1,221,271 38 |
| 1h. Libraries | | | |
| 93. Salaries and Wages | \$32,572 94 | | |
| 94. Books, Periodicals, etc. | 7,985 13 | | |
| 95. Binding | 2,842 19 | | |
| 96. Fuel and Light | 2,450 54 | | |
| *97. Buildings | 1,584 22 | | |
| 98. Other Expenses | 1,410 41 | | |
| Total for Libraries | \$48,845 43 | | \$48,845 43 |
| Total forward | | | \$3,924,655 44 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Offsets to Outlays | Total |
|--|----------------------------|--------------------------|----------------|
| Total forward | | | \$4,830,048 53 |
| Si. Recreation | | | |
| 96. Parks and Gardens | \$918 86 | | |
| 97. Playgrounds and Gymnasias... | 1,763 71 | | |
| 98. Bathhouses and Beaches..... | 2,095 80 | | |
| 99. Celebrations and Entertain- ments | | | |
| Total from Recreation | \$4,778 37 | | \$4,778 37 |
| Total forward | | | \$4,834,826 90 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | Expenses | Outlays | Total |
|--|--------------|---------|----------------|
| Total forward | | | \$3,924,655 44 |
| 11. Recreation | | | |
| 99. General Administration | | | |
| a. Salaries and Wages | \$4,225 02 | | |
| b. Other Expenses | 2,268 56 | | |
| 100. Parks and Gardens | | | |
| a. Salaries and Wages | 44,057 18 | | |
| *b. Improvements and Additions | | | |
| c. Metropolitan Park Maintenance | 69,366 38 | | |
| d. Other Expenses | 16,791 53 | | |
| 101. Playgrounds and Gymnasias | | | |
| a. Salaries and Wages | 4,162 15 | | |
| *b. Improvements and Additions | | \$35 00 | |
| c. Other Expenses | 2,423 64 | | |
| 102. Bathhouses and Beaches | | | |
| a. Salaries and Wages | 6,635 08 | | |
| *b. Improvements and Additions | | | |
| c. Other Expenses | 5,911 60 | | |
| 103. Celebrations and Entertainments | | | |
| a. Fourth of July | 2,625 11 | | |
| b. Labor Day | 312 45 | | |
| c. Band Concerts | | | |
| d. All Other | 597 52 | | |
| Total for Recreation | \$159,376 22 | \$35 00 | \$159,411 22 |
| Total forward | | | \$4,084,066 66 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | Expenses | Outlays | Total |
|--|-------------|------------|----------------|
| Total forward | | | \$4,084,066 66 |
| 1j. Pensions | | | |
| 104. Retirement made from: | | | |
| a. Clerk of Committees' Dept.. | \$450 00 | | |
| b. City Clerk Dept. | 382 50 | | |
| c. Treasury Dept. | 872 00 | | |
| d. Registrars of Voters Dept.. | 494 00 | | |
| e. Fire Dept. | 24,479 62 | | |
| f. Police Dept. | 9,610 46 | | |
| g. Health Dept. | 529 00 | | |
| h. Sewer Dept. | 4,386 94 | | |
| i. Street Sanitary Dept..... | 2,029 06 | | |
| j. Street Maintenance Dept... | 13,041 07 | | |
| k. Boston and Cambridge Bridges Dept. | 250 00 | | |
| l. Public Library Dept..... | 61 33 | | |
| m. Soldiers' Benefits Dept.... | 350 00 | | |
| n. Park Dept. | 1,047 40 | | |
| o. Cemetery Dept. | 1,057 96 | | |
| p. Water Dept. | 2,942 16 | | |
| q. School Teachers Dept..... | 5,241 70 | | |
| r. School Agents and Janitors Dept. | 4,198 10 | | |
| s. Water Dept.—repayment to City of Cambridge..... | 2,942 16 | | |
| Total for Pensions..... | \$78,365 46 | | \$78,365 46 |
| 1k. Unclassified | | | |
| 105. Damages to Persons' and Per- sonal Property | \$7,319 20 | | |
| 106. Memorial Day ..'..... | 2,370 00 | | |
| 107. City and Town Clocks..... | 122 84 | | |
| 108. Searching Parties | | | |
| 109. Ice for Drinking Fountains... | 1,062 69 | | |
| 110. Payments not Recorded under Previous Classifications.. | | | |
| a. Printing City or Town Re- ports | 4,723 23 | | |
| b. Postage and Stationery.... | 545 36 | | |
| c. Workingmen's Compensation | 500 00 | | |
| d. Telephone Exchange | 406 59 | | |
| e. All Other | 8,186 27 | \$800 00 | |
| f. Land on Hayes Street..... | | \$1,400 00 | |
| Total for Unclassified..... | \$25,236 18 | \$2,200 00 | \$27,436 18 |
| Total forward | | | \$4,189,868 30 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | Offsets to Outlays | Total |
|---|----------------------------|--------------------------|----------------|
| Total forward | | | \$4,842,362 49 |
| 9. PUBLIC SERVICE ENTERPRISES | | | |
| 102. Electric | | | |
| a. Income from Sale of Light and Power | | | |
| b. Miscellaneous | | | |
| 103. Gas | | | |
| a. Income from Sale of Gas... | | | |
| b. Sale of By-products (coke, tar, etc.)..... | | | |
| c. Miscellaneous | | | |
| 104. Water | | | |
| a. Income from Sale of Water. | \$452,942 69 | | |
| b. Miscellaneous | 21,144 25 | | |
| 105. All Other | | | |
| a. Markets | | | |
| b. Public Scales | | | |
| c. Docks and Wharves..... | | | |
| d. Ferries | | | |
| e. Herring and Alewife Fish- eries | | | |
| f. Miscellaneous | | | |
| Total from Public Service Enter- prises | \$474,086 94 | | \$474,086 94 |
| 10. CEMETERIES | | | |
| 106. Sale of Lots and Graves..... | \$16,224 08 | | |
| 107. Care of Lots and Graves..... | 13,097 96 | | |
| 108. Care of Endowed Lots (Inter- est on Funds)..... | 5,639 16 | | |
| 109. Miscellaneous | | | |
| Total from Cemeteries..... | \$34,961 20 | | \$34,961 20 |
| 11. ADMINISTRATION OF TRUST FUNDS | | | |
| 110. | | | |
| 111. | | | |
| 112. | | | |
| Total from Administration of Trust Funds | | | |
| Total forward | | | \$5,351,410 63 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | Expenses | Outlays | Total |
|---|--------------|------------|----------------|
| Total forward | | | \$4,189,868 30 |
| 2. PUBLIC SERVICE ENTERPRISES | | | |
| 111. Electric | | | |
| a. Maintenance and Operation. | | | |
| *b. Construction | | | |
| 112. Gas | | | |
| a. Maintenance and Operation. | | | |
| *b. Construction | | | |
| 113. Water | | | |
| a. Maintenance and Operation. | \$328,565 36 | | |
| b. Metropolitan Water Maintenance | | | |
| *c. Construction | | \$5,288 77 | |
| 114. All Other | | | |
| a. Markets | 1,750 56 | | |
| b. Public Sales | | | |
| c. Docks and Wharves..... | | | |
| d. Ferries | | | |
| e. Herring and Alewife Fisheries | | | |
| f. Miscellaneous | | | |
| Total for Public Service Enterprises | \$330,315 92 | \$5,288 77 | \$335,604 69 |
| 3. CEMETERIES | | | |
| 115. Maintenance | \$40,768 21 | | |
| *116. Improvements and Additions.. | | \$3,051 38 | |
| Total for Cemeteries..... | \$40,768 21 | \$3,051 38 | \$43,819 59 |
| 4. ADMINISTRATION OF TRUST FUNDS | | | |
| 117. | | | |
| 118. | | | |
| 119. | | | |
| Total for Administration of Trust Funds | | | |
| Total forward | | | \$4,569,292 58 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | Revenue for Expenses | ndebtedness | Total |
|---|----------------------------|----------------|----------------|
| Total forward | | | \$5,351,410 63 |
| 12. INTEREST | | | |
| 113. On Deposits | \$13,224 41 | | |
| 114. On Deferred Taxes..... | 52,509 85 | | |
| 115. On Deferred Special Assess- ments | 570 46 | | |
| 116. On Sinking Funds..... | | | |
| 117. On Investment Fund..... | | | |
| 118. On Public Trust Funds*..... | | | |
| a. Charity | | | |
| b. School | | | |
| c. Library | | | |
| d. Cemetery (for General Care) | | | |
| e. All Other | | | |
| 119. Miscellaneous | | | |
| Total from Interest..... | \$66,304 72 | | \$66,304 72 |
| 13. MUNICIPAL INDEBTEDNESS | | | |
| 120. Loans in Anticipation of Rev- enue | | \$2,650,000 00 | |
| 121. Other Temporary Loans..... | | \$446,500 00 | |
| 122. Loans for General Purposes.. | | | |
| 123. Trust Funds Used..... | | | |
| 124. Loans for Public Service En- terprises | | | |
| 125. Loans for Cemeteries..... | | | |
| 126. Bonds Refunded, Current Year | | \$2,455 75 | |
| 127. Premiums | | | |
| 128. Unpaid Warrants or Orders of Current Year | | | |
| Total from Municipal Indebtedness | | \$3,098,955 75 | \$3,098,955 75 |
| Total forward | | | \$8,516,671 10 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | Expenses | Indebtedness | Total |
|--|--------------|----------------|----------------|
| Total forward | | | \$4,569,292 58 |
| 5. INTEREST | | | |
| 120. On Loans in Anticipation of Revenue | \$56,699 17 | | |
| 121. On Other Temporary Loans... | | | |
| 122. On Loans for General Purposes | 333,116 72 | | |
| 123. On Trust Funds Used..... | 1,650 00 | | |
| 124. On Loans for Public Service Enterprises | 40,536 25 | | |
| 125. On Loans for Cemeteries..... | 280 00 | | |
| 126. Metropolitan Interest Requirements | | | |
| a. Sewer | 53,399 44 | | |
| b. Park | 53,141 72 | | |
| c. Water | | | |
| 127. State Assessment for Interest on Account of Abolition of Grade Crossings..... | | | |
| 128. All Other | | | |
| Total for Interest..... | \$538,823 30 | | \$538,823 30 |
| 6. MUNICIPAL INDEBTEDNESS | | | |
| 129. Loans in Anticipation of Revenue | | \$2,567,762 67 | |
| 130. Other Temporary Loans..... | | | |
| 131. Bonds and Notes from Sinking Funds | | 99,800 00 | |
| 132. Bonds and Notes from Revenue | | | |
| a. General | \$395,387 33 | | |
| b. Public Service Enterprises.. | 20,500 00 | 30,000 00 | |
| c. Cemeteries | | | |
| a. General | | | |
| b. Public Service Enterprises. | | | |
| c. Cemeteries | | | |
| 133. Metropolitan Sinking Fund and Serial Loan Requirements.. | | | |
| a. Sewer | 37,324 45 | | |
| b. Park | 11,621 98 | | |
| c. Water | | | |
| 134. State Assessment for Abolition of Grade Crossing Loan Fund | | | |
| 135. Bonds Refunded, Current Year | | | |
| 136. Warrants or Orders of Previous Years | | | |
| Total for Municipal Indebtedness.. | \$464,833 76 | \$2,697,562 67 | \$3,162,396 43 |
| Total forward | | | \$8,270,512 31 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS | | Non- Revenue | Total |
|---|--|-----------------------|----------------|
| Total forward | | | \$8,516,671 10 |
| 14. SINKING FUNDS | | | |
| From Commissioners to meet Loans for— | | | |
| 129. General Purposes | | \$109,800 00 | |
| 130. Public Service Enterprises.... | | 30,000 00 | |
| 131. Cemeteries | | | |
| Total from Sinking Funds..... | | \$139,800 00 | \$139,800 00 |
| | | Temporary Accounts | |
| 15. AGENCY, TRUST, AND INVEST- MENT TRANSACTIONS | | | |
| Agency | | | |
| 132. Taxes | | | |
| a. State | | \$530,623 66 | |
| b. Non-resident Bank | | 5,321 41 | |
| c. County | | 176,542 21 | |
| 133. Liquor Licenses Collected for the State | | | |
| 134. Reimbursements for Abolition of Grade Crossings..... | | | |
| 135. Dowse Institute Fund..... | | 123 50 | |
| a. City Clerk | | 261 95 | |
| Trust | | | |
| 136. Perpetual Care Funds..... | | 6,018 45 | |
| 137. Other Permanent Public Trust Funds | | | |
| 138. Income for Investment..... | | | |
| 139. Private Trust Funds and Ac- counts | | 5,195 70 | |
| Investment | | | |
| 140. Sinking Fund Securities..... | | | |
| 141. Investment Fund Securities... | | | |
| Total from Agency, Trust, and In- vestment Transactions..... | | | |
| Total forward | | \$724,086 88 | \$724,086 88 |
| | | | \$9,380,557 98 |

Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS | From Revenue | From Non- Revenue | Total |
|---|-----------------|-----------------------|----------------|
| Total forward | | | \$8,270,512 31 |
| 7. SINKING FUNDS | | | |
| To Commissioners for Debt Re- quirements | | | |
| 137. From Taxes, Earnings, etc.... | \$172,205 50 | | |
| 138. From Special Assessments.... | | | |
| 139. From Sale of Real Estate, etc. | | | |
| Total for Sinking Funds..... | \$172,205 50 | | \$172,205 50 |
| | | Temporary Accounts | |
| 8. AGENCY, TRUST, AND INVEST- MENT TRANSACTIONS | | | |
| Agency | | | |
| 140. Taxes | | | |
| a. State | | \$520,700 34 | |
| b. Non-resident Bank | | 5,380 46 | |
| c. County | | 176,542 21 | |
| 141. Liquor Licenses Remitted to the State | | | |
| 142. Abolition of Grade Crossings.. | | | |
| 143. Dowse Institute Fund..... | | 123 50 | |
| a. City Clerk Agency..... | | 66 80 | |
| Trust | | | |
| 144. Perpetual Care Funds..... | | 6,018 45 | |
| 145. Other Permanent Public Trust Funds | | | |
| 146. Income Invested | | | |
| 147. Private Trust Funds and Ac- counts | | 24,058 19 | |
| Investment | | | |
| 148. Sinking Fund Securities..... | | | |
| 149. Investment Fund Securities... | | | |
| Total for Agency, Trust, and In- vestment Transactions | | \$732,889 95 | \$732,889 95 |
| Total forward | | | \$9,175,607 76 |

Schedule A-IV—Concluded

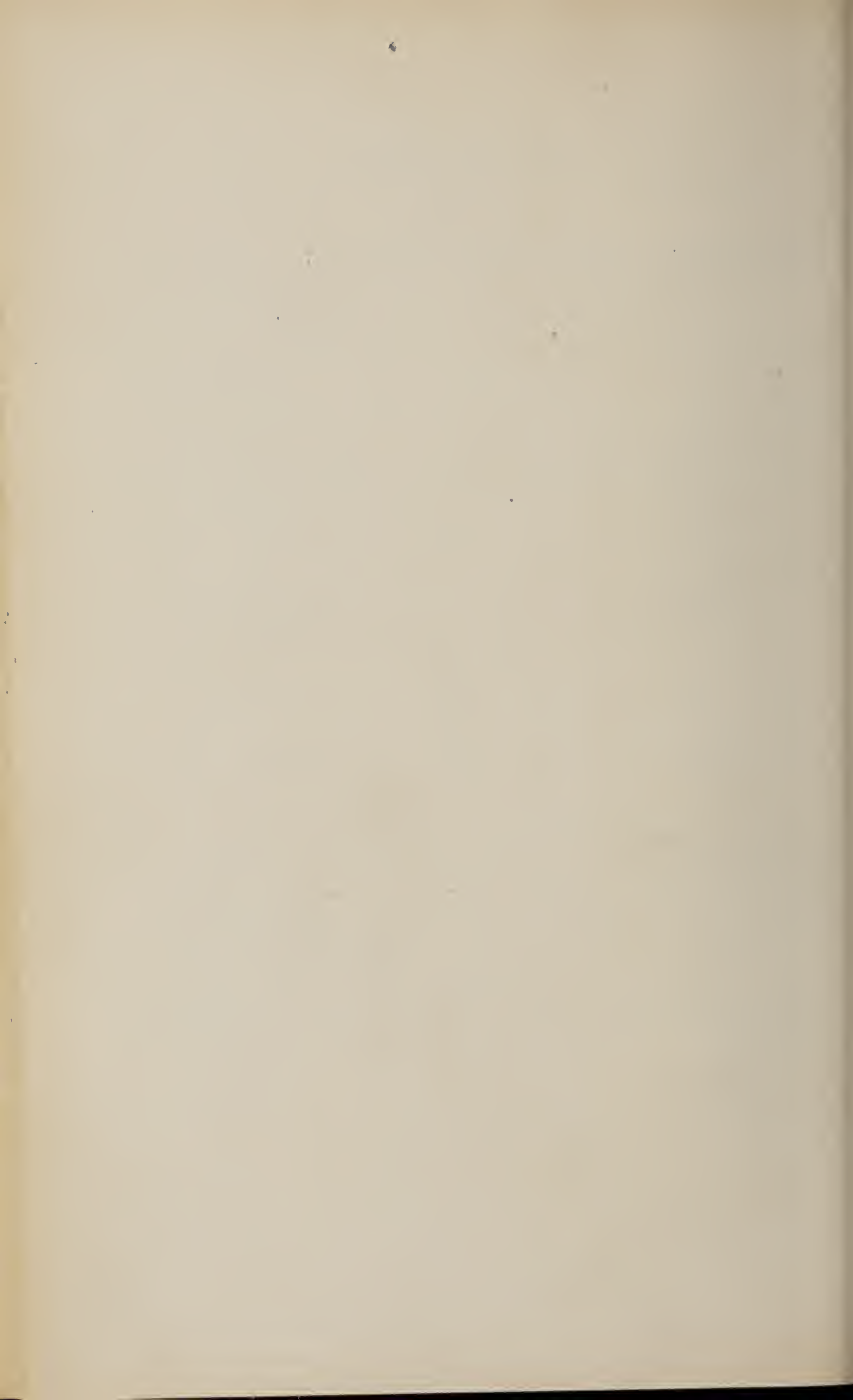
RECEIPTS

| SOURCES OF RECEIPTS | | Temporary Accounts and Cash Balances | Total |
|--|--|--|----------------|
| Total forward | | | \$9,380,557 98 |
| 16. REFUNDS | | | |
| 142. Taxes | | \$15,111 38 | |
| 143. Licenses | | 60 | |
| 144. Special Assessments | | 109 65 | |
| 145. General Departments | | 6,054 35 | |
| 146. Public Service Enterprises..... | | 864 78 | |
| 147. Cemeteries | | | |
| 148. Accrued Interest | | 1,610 41 | |
| 149. All Other | | 327 59 | |
| Total Refunds | | \$24,078 76 | \$24,078 76 |
| 17. TRANSFERS | | | |
| 150. Departmental | | | |
| a. Law from Water Dept..... | | \$1,000 00 | |
| b. Treasury from Water Dept. | | 1,500 00 | |
| c. | | | |
| d. | | | |
| e. | | | |
| f. | | | |
| g. | | | |
| h. | | | |
| i. | | | |
| j. | | | |
| Total Transfers | | \$2,500 00 | \$2,500 00 |
| 18. BALANCES | | | |
| 151. General | | | |
| 152. Sinking Fund | | | |
| 153. Investment Fund | | | |
| 154. Perpetual Care Fund..... | | | |
| 155. Other Public Trust Fund..... | | | |
| 156. Private Trust Funds and Ac- counts | | | |
| Total Cash on Hand Beginning of Year | | | \$248,870 84 |
| Grand Total Receipts and Cash on Hand | | | \$9,656,007 58 |

Schedule A-IV—Concluded

PAYMENTS

| OBJECTS OF PAYMENTS | | Temporary Accounts and Cash Balances | Total |
|--|--|--|----------------|
| Total forward | | | \$9,175,607 76 |
| 9. REFUNDS | | | |
| 150. Taxes | | \$15,111 38 | |
| 151. Licenses | | 60 | |
| 152. Special Assessments | | 109 65 | |
| 153. General Departments | | 6,054 35 | |
| 154. Public Service Enterprises.... | | 864 78 | |
| 155. Cemeteries | | | |
| 156. Accrued Interest | | 1,610 41 | |
| 157. All Other | | 27 59 | |
| Total Refunds | | \$24,078 76 | \$24,078 76 |
| 10. TRANSFERS | | | |
| 158. Departmental | | | |
| a. Water to Law..... | | \$1,000 00 | |
| b. Water to Treasury..... | | 1,500 00 | |
| c. | | | |
| d. | | | |
| e. | | | |
| f. | | | |
| g. | | | |
| h. | | | |
| i. | | | |
| j. | | | |
| Total Transfers | | \$2,500 00 | \$2,500 00 |
| 11. BALANCES | | | |
| 159. General | | | |
| 160. Sinking Fund | | | |
| 161. Investment Fund | | | |
| 162. Perpetual Care Fund..... | | | |
| 163. Other Public Trust Fund..... | | | |
| 164. Private Trust Funds and Ac- counts | | 10,000 00 | |
| Total Cash on Hand End of Year.. | | | \$453,821 06 |
| Grand Total Payments and Cash on Hand | | | \$9,656,007 58 |



SCHEDULE A-V.

APPROPRIATIONS, RECEIPTS AND PAYMENTS CITY INCOME

DEPARTMENTAL:

- General Government.
- Protection of Life and Property.
- Health and Sanitation.
- Highways and Bridges.
- Charities.
- Soldiers' Benefits.
- Education.
- Libraries.
- Recreation.
- Unclassified.

PUBLIC SERVICE ENTERPRISES:

- Water Works.
- Cemeteries.

ADMINISTRATION OF INVESTED FUNDS.

INTEREST.

SINKING FUND.

ABATEMENTS, TAXES.

CITY INCOME

Statement in Detail of All Income, Taxes and Loans Received on Account
of the City of Cambridge During the Financial Year 1920-1921

TAXES

| | | |
|---|----------------|----------------|
| Taxes of 1920 | \$3,730,371 61 | |
| Taxes of 1919 | 464,842 61 | |
| Taxes of 1918 | 171,692 78 | |
| Taxes of 1917 | 5,214 62 | |
| Taxes of 1916 | 1,611 90 | |
| Taxes of 1915 | 147 20 | |
| | <hr/> | \$4,373,880 72 |
| From Commonwealth, for city's proportion of tax on corporations | | 361,207 36 |
| From Commonwealth, for city's proportion of tax on banks | | 26,509 61 |
| From Commonwealth, for city's proportion of Income Tax.... | | 486,337 87 |
| Street Railway Tax | | 18,031 68 |

LICENSES AND PERMITS

| | | |
|---|------------|----------------|
| Building permits | \$4,236 25 | |
| Dance and amusement licenses | 1,333 00 | |
| Guides | 9 00 | |
| Elevator licenses | 138 00 | |
| Electrical permits | 4,701 71 | |
| Fireworks (issued by Fire Chief) | 31 50 | |
| Drivers permits (issued by Fire Chief) | 85 00 | |
| Hawkers and peddlers (State) | 175 00 | |
| Manicure, etc. | 52 00 | |
| Milk and vinegar | 339 00 | |
| Oleo | 52 50 | |
| Street permits | 25 00 | |
| Licenses issued by Commissioner and City Clerk: | | |
| Auctioneers' | \$42 00 | |
| Barrel collectors | 37 50 | |
| Firearms | 6 00 | |
| Gasoline, garage and inflammable fluid | 940 00 | |
| Intelligence office | 45 00 | |
| Junk stores and collectors | 1,480 00 | |
| Lord's Day | 596 00 | |
| Marriages | 1,404 00 | |
| Pawnbroker | 100 00 | |
| Peddlers | 856 50 | |
| Police minor licenses | 27 75 | |
| Pool and private alleys | 146 00 | |
| Public market | 3,426 25 | |
| Second-hand automobiles | 1,737 50 | |
| Slaughtering | 3 00 | |
| Stands | 54 00 | |
| Victuallers | 695 00 | |
| Miscellaneous | 17 50 | |
| | <hr/> | \$11,772 50 |
| | | <hr/> |
| | | \$22,950 46 |
| Amount carried forward | | \$5,288,917 70 |

COURT FINES

| | | |
|---------------------------------------|------------|----------------|
| Amount brought forward..... | | \$5,288,917 70 |
| Fines from Third District Court | \$5,670 80 | |
| Fines from House of Correction | 143 00 | |
| | <hr/> | 5,813 80 |

DOG LICENSES FROM COUNTY

| | | |
|---------------------------------|--|----------|
| From County for Libraries | | 2,819 80 |
|---------------------------------|--|----------|

STREET SPRINKLING ASSESSMENTS

| | | |
|-------------------------------|---------|-------|
| Street Sprinkling, 1917 | \$38 24 | |
| Street Sprinkling, 1916 | 11 72 | |
| Street Sprinkling, 1915 | 2 84 | |
| | <hr/> | 52 80 |

MOTH EXTERMINATION ASSESSMENTS

| | | |
|------------------------------|----------|--------|
| Moth assessments, 1920 | \$724 03 | |
| Moth assessments, 1919 | 94 53 | |
| Moth assessments, 1918 | 33 38 | |
| | <hr/> | 851 94 |

LAW DEPARTMENT

| | | |
|---|------------|----------|
| Legal advice and service of City Solicitor to Water Department | \$1,000 00 | |
| Costs | 1 40 | |
| | <hr/> | 1,001 40 |

CITY CLERK'S DEPARTMENT

| | | |
|------------------------------------|------------|----------|
| Mortgages, assignments, etc. | \$1,197 55 | |
| Certificates from records | 271 55 | |
| Dog licenses | 289 60 | |
| Married women's certificates | 3 25 | |
| Business certificates | 24 50 | |
| Cemetery deed | 7 25 | |
| Physicians | 5 00 | |
| Witness fees | 3 60 | |
| Optometry | 5 50 | |
| Ordinances | 3 15 | |
| Hunting and fishing fee | 15 60 | |
| Soldier's discharge | 50 | |
| Trade mark | 50 | |
| | <hr/> | 1,827 55 |

| | | |
|------------------------------|--|----------------|
| Amount carried forward | | \$5,301,284 99 |
|------------------------------|--|----------------|

TREASURER'S DEPARTMENT

| | | |
|--|----------|-----------------|
| Amount brought forward | | \$5,301,284 99 |
| For sale: | | |
| Preparation | \$184 50 | |
| Advertising | 307 10 | |
| Deeds | 318 00 | |
| Recording | 61 80 | |
| Releases | 38 00 | |
| Certificates of liens | 575 00 | |
| Affidavits | 72 35 | |
| Demand | 55 25 | |
| Examination of title | 11 00 | |
| Statutory fee | 11 00 | |
| Taxes—Summonses | 2,537 70 | |
| Services of department in collection of Water rates, etc. | 1,500 00 | |
| | | <u>5,671 70</u> |

CASH VARIATIONS

| | |
|--|----------|
| Accumulations in Treasury Department to March 31, 1921 | 1,590 30 |
|--|----------|

POSTAGE AND STATIONERY

| | |
|------------------------------|--------|
| For stationery furnished to: | |
| Water department | 116 68 |

MUNICIPAL BUILDINGS

| | | |
|-----------------|---------|--------------|
| Sale of: | | |
| Junk, etc. | \$35 03 | |
| Lumber | 9 00 | |
| | | <u>44 03</u> |

FIRE DEPARTMENT

| | | |
|-----------------|----------|---------------|
| Sale of: | | |
| Horses | \$435 40 | |
| Junk, etc. | 3 25 | |
| | | <u>438 65</u> |

POLICE DEPARTMENT

| | | |
|--------------------------------|------------|-----------------|
| For services of officers | \$5,325 75 | |
| For sale of: | | |
| Old wagon | \$20 00 | |
| Miscellaneous | 6 00 | |
| | | <u>26 00</u> |
| | | <u>5,351 75</u> |

SEALER OF WEIGHTS AND MEASURES

| | |
|------------------------|--------|
| Fees for sealing | 811 16 |
|------------------------|--------|

FORESTRY

| | |
|------------------------------|-----------------------|
| Removal of trees | 63 75 |
| Amount carried forward | <u>\$5,315,373 01</u> |

HEALTH DEPARTMENT

Amount brought forward \$5,315,373 01

For board at Tuberculosis Hospital:

| | |
|-----------------------------------|------------|
| Sundry Persons | \$1,690 79 |
| Other Cities and Towns | 7,410 50 |
| Commonwealth | 6,192 35 |
| Subsidy | 10,164 75 |
| U. S. Public Health Service | 9,204 50 |

34,662 89

Other contagious diseases:

| | |
|------------------------------|----------|
| Sundry persons | 827 50 |
| Other cities and towns | 1,091 50 |
| Commonwealth | 1,750 46 |

3,669 46

SCHOOL DENTIST

For Fees 143 65

MUNICIPAL HOSPITAL

| | |
|-------------------------------------|-----------|
| For board from sundry persons | 24,536 04 |
| Telephone | 8 50 |

24,544 54

SEWER MAINTENANCE

Sale of:

| | |
|------------------------|---------|
| Cement, etc. | \$10 51 |
| Horse, cart, etc. | 227 00 |
| Miscellaneous | 101 46 |

\$338 97

Use of pump 134 03

Use of roller 6 00

479 00

HOUSE OFFAL

For sale of offal 22,171 80

STREET DEPARTMENT

| | |
|-----------------------------------|----------|
| For rent of track | \$400 00 |
| Use of signboard | 110 00 |
| Manure | 363 26 |
| Repairing streets | 364 59 |
| Cement, sand, etc. | 88 53 |
| Damages | 28 00 |
| Granite blocks, bricks, etc. | 217 34 |
| Horse | 35 00 |
| Junk, etc. | 122 44 |
| Use of steam roller | 9 00 |
| Tar | 4 20 |

1,742 36

SIDEWALKS AND DRIVEWAYS

For constructing driveways, etc..... 4,021 75

Amount carried forward\$5,406,808 46

CITY HOME

Amount brought forward \$5,406,808 46

For board:

| | | |
|----------------------------------|------------|----------|
| Sundry persons | \$2,907 26 | |
| Cities and towns | 81 19 | |
| Commonwealth | 11 70 | |
| Sale of bones, grease, etc. | 22 85 | |
| Sale of produce | 1,655 99 | |
| Miscellaneous | 114 20 | |
| | | 4,793 19 |

OUTSIDE AID

For reimbursements:

| | | |
|--|------------|-----------|
| From cities and towns | \$1,957 32 | |
| From Commonwealth | 16,105 30 | |
| Mothers' Aid from Commonwealth | 45,666 41 | |
| Mothers' Aid from cities and towns | 1,449 90 | |
| | | 65,178 93 |

SOLDIERS' BENEFITS

From Commonwealth of Massachusetts:

| | | |
|--------------------|-------------|-----------|
| State aid | \$36,397 10 | |
| Military aid | 1,335 00 | |
| Burials | 400 00 | |
| | | 38,132 10 |

SCHOOL DEPARTMENT

| | | |
|---|------------|----------------|
| From Commonwealth, for Americanization..... | \$1,859 97 | |
| Vocational schools | 1,947 29 | |
| Minor wards | 1,691 25 | |
| Tuition of minor wards, City of Boston..... | 353 25 | |
| Tuition of non-resident pupils: | | |
| At High Schools | \$1,296 00 | |
| Rindge Technical School | 795 00 | |
| Rindge Evening Industrial | 135 00 | |
| Agassiz School | 66 00 | |
| Evening Trade School | 117 50 | |
| | | 2,409 50 |
| Damages collected | 515 10 | |
| Equipment for blind classes | 500 00 | |
| Sales at Continuation School | 162 74 | |
| Sales at Trade School | 105 01 | |
| Sales of food at High School Lunch..... | 11,205 00 | |
| Sales of food at Fresh Air School..... | 31 25 | |
| Sales of soap and use of towels at Thorndike School Baths | 23 34 | |
| Sales of soap and use of towels at Haggerty School Baths | 9 98 | |
| Use of Halls for rallies, etc. | 147 00 | |
| Use of Rindge School for Harvard Engineering Class | 1,500 00 | |
| Text books and supplies | 533 20 | |
| Refund on bill | 15 55 | |
| Refund on salary | 584 22 | |
| Miscellaneous | 331 75 | |
| | | 23,925 40 |
| Amount carried forward | | \$5,538,838 08 |

SCHOOL BATHS

| | |
|---------------------------------------|----------------|
| Amount brought forward | \$5,538,838 08 |
| Sale of soap, and use of towels | 204 93 |

LIBRARIES

| | |
|---------------------------|----------|
| Fines, rentals, etc. | 1,772 65 |
|---------------------------|----------|

PARK DEPARTMENT—RENTS, ETC.

| | | |
|---|------------|----------|
| For use of Russell Field | \$1,425 00 | |
| For rent of Weld Boathouse | 500 00 | |
| For land outside of Russell Field, etc. | 202 00 | |
| Use of towels: | | |
| Rindge Field | \$129 04 | |
| Cambridge Field | 129 74 | |
| Magazine Beach | 2,095 80 | |
| | <hr/> | 2,354 58 |
| Miscellaneous: | | |
| Lumber | \$154 16 | |
| Sundries | 62 70 | |
| | <hr/> | 216 86 |
| Services (at fireworks display by I. O. O. F. Con- vention | 52 97 | |
| | <hr/> | 4,751 41 |

TELEPHONE EXCHANGE

| | |
|---|--------|
| Receipts from the Water Department..... | 406 59 |
|---|--------|

PENSIONS

| | |
|--|----------|
| Receipts from the Water Department | 2,942 16 |
|--|----------|

AMERICANIZATION OF FOREIGN BORN

| | |
|--|----------|
| From Commonwealth of Massachusetts | 1,070 16 |
|--|----------|

WATER DEPARTMENT

| | | |
|------------------------------|----------------|------------|
| Meter rates | \$337,497 79 | |
| Annual rates | 116,278 15 | |
| Miscellaneous bills: | | |
| Off and on | \$183 50 | |
| Supply | 10,935 80 | |
| Seals | 38 75 | |
| Rent | 630 90 | |
| Maintenance | 9,319 05 | |
| Maintenance Building | 36 25 | |
| | <hr/> | 21,144 25 |
| | <hr/> | 474,920 19 |
| Amount carried forward | \$6,024,906 17 | |

CEMETERY DEPARTMENT

| | | |
|---------------------------------------|-------------|-----------------|
| Amount brought forward | | \$6,024,906 17 |
| For sale of lots and graves | \$16,224 08 | |
| Burials, care, etc. | 13,097 96 | |
| Interest on Perpetual Care Fund | 5,639 16 | |
| Perpetual Care | 6,008 45 | |
| Deed in trust | 10 00 | |
| | | <hr/> 40,979 65 |

INTEREST

| | | |
|---|-------------|-----------------|
| On Deposits | \$13,224 41 | |
| Taxes | 52,609 94 | |
| Special assessments | 436 54 | |
| Sidewalk assessments (Committed interest).... | 42 27 | |
| Sewer assessments (Committed interest)..... | 91 65 | |
| Accrued interest | 1,610 41 | |
| | | <hr/> 68,015 22 |

SALE OF PUBLIC LAND

| | |
|--|--------|
| Sale of land adjacent to Russell Field | 500 00 |
|--|--------|

RENT OF LAND—HARVARD COLLEGE

| | |
|------------------------|----------|
| In lieu of taxes | 2,400 00 |
|------------------------|----------|

RENT OF LAND ON PORTLAND STREET

| | |
|-------------------------|--------|
| Rent of city land | 100 00 |
|-------------------------|--------|

SMITH HUGHES FUND

| | |
|--|--------|
| From the State to the School Department..... | 307 40 |
|--|--------|

DOWSE FUND

| | |
|--|--------|
| From Treasurer of Dowse Fund to pay bills during his absence from the city | 123 50 |
|--|--------|

SPECIAL RECEIPTS

SEWER ASSESSMENTS

| | | |
|-------------------------------------|------------|----------------|
| Unapportioned assessments | \$2,006 61 | |
| Apportioned assessments, 1920 | 176 98 | |
| Apportioned assessments, 1919 | 112 66 | |
| | | <hr/> 2,296 25 |

EDGESTONES AND SIDEWALKS

| | | |
|------------------------------|------------|----------------------|
| For sidewalk assessments: | | |
| Unapportioned | \$9,137 72 | |
| Apportioned, 1920 | 285 84 | |
| Apportioned, 1919 | 24 95 | |
| Apportioned, 1918 | 6 70 | |
| | | <hr/> 9,455 21 |
| Amount carried forward | | <hr/> \$6,149,083 40 |

PREMIUM ACCOUNT

| | |
|--------------------------------------|----------------|
| Amount brought forward | \$6,149,083 40 |
| For premium on Municipal Bonds | 2,455 75 |

RECEIPTS FROM LOANS

| | | |
|-----------------------------------|--------------|------------|
| Street Loans | \$278,000 00 | |
| Hospital | 50,000 00 | |
| Sewer Construction, General | 65,000 00 | |
| Schoolhouse | 3,500 00 | |
| Departmental Equipment | 50,000 00 | |
| | <hr/> | 446,500 00 |

TEMPORARY LOANS

| | |
|--------------------------------|--------------|
| In anticipation of taxes | 2,650,000 00 |
|--------------------------------|--------------|

COMMISSIONERS OF SINKING FUNDS

| | | |
|-------------------|-------------|------------|
| City Loan | \$34,000 00 | |
| Street Loan | 75,800 00 | |
| | <hr/> | 109,800 00 |

COMMISSIONERS OF THE WATER SINKING FUNDS

| | |
|-------------------|-----------|
| Water Loans | 30,000 00 |
|-------------------|-----------|

TAX LIEN

| | | |
|--------------------------------------|------------|----------------|
| Sundry persons | 3,605 40 | |
| | <hr/> | \$9,391,444 55 |
| To cash on hand, April 1, 1920 | 248,870 84 | |
| | <hr/> | \$9,640,315 39 |

NOTE:—A.—Receipts from Sundry departmental refunds re-appropriated:

| | |
|---|----------|
| Sewer Construction | \$2 85 |
| High School Annex | 15 00 |
| Treasury | 396 00 |
| Auditor's Department | 10 00 |
| City Council | 500 00 |
| Police | 117 87 |
| Inspection of Animals | 20 63 |
| Sewer Department Maintenance | 37 20 |
| Street Maintenance | 685 06 |
| Street Maintenance, Stable | 6 38 |
| City Clerk's Department | 20 00 |
| City Home | 3 01 |
| Outside Aid, Mothers' Aid | 1,000 46 |
| Outside Aid, Cash Aid | 1,811 00 |
| Soldiers' Benefits | 510 50 |
| Municipal Hospital | 105 25 |
| Interest | 227 50 |
| Water Department Pumping Maintenance..... | 31 53 |
| 1920 Poll Tax, from State | 9,930 00 |

\$15,430 24

B.—City Clerk's Agency Account

261 95

\$15,692 19

PAYMENTS

GENERAL GOVERNMENT

CITY COUNCIL EXPENSES

Personal Service:

| | |
|------------------------------|------------|
| Salaries of Councillors..... | \$7,517 00 |
|------------------------------|------------|

Service Other Than Personal:

| | | |
|----------------------------------|------------|-----------|
| Printing and binding..... | \$7,425 28 | |
| Postage | 78 50 | |
| Advertising and posting..... | 1,243 04 | |
| Transportation of persons..... | 4,977 11 | |
| Cartage and Freight..... | 17 33 | |
| Premium on surety bond..... | 12 00 | |
| Experts | 1,525 00 | |
| Stenographic, copying, indexing | 13 50 | |
| Fees, service of venires, etc... | 183 10 | |
| Photographic and blue-printing | 40 00 | |
| General plant | 223 44 | |
| | | 15,738 30 |

Supplies:

| | | |
|---------------------|----------|--------|
| Office | \$350 57 | |
| Food and ice..... | 27 23 | |
| General plant | 6 86 | |
| | | 384 66 |

Incidental Expenditures:

| | | |
|----------------------------------|----------|-------------|
| Funerals, refreshments, etc..... | 2,017 32 | |
| | | \$25,657 28 |

CLERK OF COMMITTEES' DEPARTMENT

Personal Service:

| | |
|---------------------------|------------|
| Permanent employees | \$5,770 00 |
|---------------------------|------------|

Service Other Than Personal:

| | | |
|---------------------------|---------|--------|
| Printing and binding..... | \$33 81 | |
| Postage | 33 25 | |
| Communication | 203 30 | |
| | | 270 36 |

Supplies:

| | | |
|--------------|--------|----------|
| Office | 114 34 | |
| | | 6,154 70 |

EXECUTIVE DEPARTMENT

Personal Service:

| | |
|---------------------------|-------------|
| Permanent employees | \$10,664 50 |
|---------------------------|-------------|

Service Other Than Personal:

| | |
|--------------------------------|---------|
| Printing and binding..... | \$18 62 |
| Postage | 139 05 |
| Advertising and posting..... | 2 94 |
| Transportation of persons..... | 243 26 |
| Cartage and freight..... | 1 51 |

| | | | |
|-----------------------------|----------|-------------|-------------|
| Amount carried forward..... | \$405 38 | \$10,664 50 | \$31,811 98 |
|-----------------------------|----------|-------------|-------------|

General Government—Continued

EXECUTIVE DEPARTMENT—Concluded

| | | | |
|----------------------------------|----------|-------------|-------------|
| Amount brought forward..... | \$405 38 | \$10,664 50 | \$31,811 98 |
| Rent, taxes, water..... | 181 34 | | |
| Communication | 365 93 | | |
| Motor vehicle repairs and care | 146 77 | | |
| Expert and architect..... | 98 00 | | |
| Fees, service of venires, etc... | 15 00 | | |
| | | 1,212 42 | |
| Equipment: | | | |
| Motor vehicles | | 1,771 50 | |
| Supplies: | \$338 05 | | |
| Office | 57 82 | | |
| Food and ice..... | 768 29 | | |
| Motor vehicle | | 1,164 16 | |
| Incidental Expenditures: | | | |
| Entertainment | | 278 81 | |
| | | | 15,091 39 |

AUDITING DEPARTMENT

| | | | |
|---------------------------------|------------|------------|-----------|
| Personal Service: | | | |
| Permanent employees | | \$8,498 43 | |
| Service Other Than Personal: | | | |
| Printing and binding..... | \$515 76 | | |
| Postage | 12 20 | | |
| Transportation of persons..... | 12 56 | | |
| Communication | 12 41 | | |
| Stenographic, copying, indexing | 45 00 | | |
| General plant | 3 10 | | |
| | | 601 03 | |
| Equipment: | | | |
| Office | | 101 26 | |
| Supplies: | | | |
| Office | \$3,403 14 | | |
| Food and ice..... | 56 35 | | |
| | | 3,459 49 | |
| | | | 12,660 21 |

AUDITING SPECIAL

| | | | |
|--------------|--|------------|----------|
| Supplies: | | | |
| Office | | \$1,755 16 | |
| | | | 1,755 16 |

TREASURER'S AND COLLECTOR'S DEPARTMENT

| | | | |
|------------------------------|------------|-------------|-------------|
| Personal Service: | | | |
| Permanent employees | | \$21,676 15 | |
| Service Other Than Personal: | | | |
| Printing and binding..... | \$332 90 | | |
| Postage | 1,608 13 | | |
| Advertising and posting..... | 308 45 | | |
| Amount carried forward..... | \$2,249 48 | \$21,676 15 | \$60,318 74 |

General Government—Continued

TREASURER'S AND COLLECTOR'S DEPARTMENT—Concluded

| | | | |
|----------------------------------|------------|-------------|-------------|
| Amount brought forward..... | \$2,249 48 | \$21,676 15 | \$60,318 74 |
| Transportation of persons.... | 771 70 | | |
| Cartage and freight..... | 6 36 | | |
| Premium on surety bond..... | 279 00 | | |
| Communication | 447 25 | | |
| Fees, service of venires, etc... | 3,730 85 | | |
| | | 7,484 64 | |
| Supplies: | | | |
| Office | \$2,178 98 | | |
| Food and ice..... | 61 74 | | |
| | | 2,240 72 | |
| | | | 31,401 51 |

ADMINISTRATION OF SINKING FUNDS

Personal Service:

| | | | |
|--|----------|----------|--|
| Salary of Treasurer of Sinking Funds | \$300 00 | | |
| Salary of Secretary..... | 200 00 | | |
| | | \$500 00 | |

Service Other Than Personal:

| | | | |
|------------------|---------|-------|--------|
| Rent of box..... | \$40 00 | | |
| | | 40 00 | |
| | | | 540 00 |

ASSESSOR'S DEPARTMENT

Personal Service:

| | | | |
|---------------------------|-------------|--|--|
| Permanent employees | \$21,012 80 | | |
|---------------------------|-------------|--|--|

Service Other Than Personal:

| | | | |
|-------------------------------|----------|----------|--|
| Printing and binding..... | \$163 59 | | |
| Postage | 53 00 | | |
| Advertising and posting..... | 92 29 | | |
| Transportation of persons.... | 605 75 | | |
| Cartage and freight..... | 43 | | |
| Communication | 243 96 | | |
| | | 1,159 02 | |

Supplies:

| | | | |
|-------------------|------------|----------|-----------|
| Office | \$1,075 80 | | |
| Food and ice..... | 52 92 | | |
| | | 1,128 72 | |
| | | | 23,300 54 |

| | | | |
|-----------------------------|--|--|--------------|
| Amount carried forward..... | | | \$115,560 79 |
|-----------------------------|--|--|--------------|

General Government—Continued

POLICE LISTING BOARD

Amount brought forward..... \$115,560 79

Personal Service:

Permanent employees \$699 50

Service Other Than Personal:

Printing and binding..... \$1,925 52
 Advertising and posting..... 131 22
 ----- 2,056 74

Supplies:

Office \$290 01
 ----- 290 01
 ----- 3,046 25

LICENSE COMMISSIONER

Personal Service:

Permanent employees \$3,378 00

Service Other Than Personal:

Postage \$25 00
 Communication 103 54
 ----- 128 54

Supplies:

Office \$600 00
 General plant 29 40
 ----- 629 40
 ----- 4,135 94

CITY CLERK'S DEPARTMENT

Personal Service:

Permanent employees \$11,316 97

Service Other Than Personal:

Printing and binding..... \$256 91
 Postage 120 42
 Premium on surety bond..... 48 00
 Communication 203 30
 Fees, service of venires, etc... 1,365 75
 General plant 89 46
 ----- 2,083 84

Equipment:

Office \$121 52
 ----- 121 52

Supplies:

Office \$976 82
 Food and ice..... 65 66
 ----- 1,042 48
 ----- 14,564 81

Amount carried forward..... \$137,307 79

General Government—Continued

INSPECTION OF JUNK SHOPS AND GARAGES

Amount brought forward..... \$137,307 79

Personal Service:

Permanent employees \$1,516 43
1,516 43

CITY MESSENGER'S DEPARTMENT

Personal Service:

Permanent employees \$2,965 00

Service Other Than Personal:

Postage \$62 50
 Transportation of persons.... 40 00
 Cartage and freight..... 56
 Communication 284 61
387 67

Supplies:

Office \$93 18
3,445 85

LAW DEPARTMENT

Personal Service:

Permanent employees \$4,866 00

Service Other Than Personal:

Printing and binding..... \$54 00
 Postage 61 86
 Transportation of persons.... 27 50
 Rent, taxes, water..... 750 00
 Communication 75 00
 Medical 25 00
 Fees, service of venires, etc... 2,457 90
 Photographic and blue-printing 9 22
3,474 68

Supplies:

Office \$403 69
 Library 7 35
411 04

8,781 72

ELECTION EXPENSES (CITY CLERK'S)

Personal Service:

Election officers \$5,892 00
 Precinct men 350 00
 Primary officers 3,032 00
 Clerical assistants, filing re-
 turns, etc. 748 63
10,022 63

Amount carried forward..... \$10,022 63 \$151,051 79

General Government—Continued

ELECTION EXPENSES (CITY CLERK'S)—Concluded

Amount brought forward..... \$10,022 63 \$151,051 79

Service Other Than Personal:

| | | |
|----------------------------------|----------|----------|
| Printing and binding..... | \$599 90 | |
| Postage | 377 84 | |
| Advertising and posting..... | 528 12 | |
| Transportation of persons..... | 484 84 | |
| Cartage and freight..... | 247 73 | |
| Fees, service of venires, etc... | 61 20 | |
| General plant | 436 89 | |
| | <hr/> | 2,736 52 |

Supplies:

| | | |
|-------------------|------------|-----------|
| Office | \$2,303 12 | |
| Food and ice..... | 63 08 | |
| | <hr/> | 2,366 20 |
| | | <hr/> |
| | | 15,125 35 |

REGISTRARS OF VOTERS

Personal Service:

Registrars, Clerk of Board, etc..... \$6,157 88

Service Other Than Personal:

| | | |
|--------------------------------|------------|----------|
| Printing and binding..... | \$2,549 72 | |
| Postage | 66 07 | |
| Advertising and posting..... | 375 65 | |
| Transportation of persons..... | 145 04 | |
| Cartage and freight..... | 78 40 | |
| Communication | 51 23 | |
| General plant | 30 77 | |
| Rent, taxes, water..... | 20 00 | |
| | <hr/> | 3,316 88 |

Equipment:

| | | |
|--------------|----------|--------|
| Office | \$195 51 | |
| | <hr/> | 195 51 |

Supplies:

| | | |
|--------------------------------|----------|----------|
| Office | \$214 33 | |
| Laundry, cleaning, toilet..... | 7 07 | |
| | <hr/> | 221 40 |
| | | <hr/> |
| | | 9,891 67 |

POLLING PLACES

Personal Service:

Temporary employees \$743 00

Service Other Than Personal:

| | | |
|--------------------------|----------|----------|
| Cartage and freight..... | \$563 50 | |
| Rent, taxes, water..... | 440 00 | |
| General plant | 4,678 75 | |
| | <hr/> | 5,682 25 |

Supplies:

| | | |
|---------------------|--------|----------|
| General plant | 380 56 | 380 56 |
| | <hr/> | <hr/> |
| | | 6,805 81 |

Amount carried forward..... \$182,874 62

General Government—Continued

ENGINEERING DEPARTMENT

| | | | |
|-----------------------------|--|--|--------------|
| Amount brought forward..... | | | \$182,874 62 |
|-----------------------------|--|--|--------------|

Personal Service:

| | | | |
|---------------------------|-------------|--|--|
| Permanent employees | \$12,407 99 | | |
|---------------------------|-------------|--|--|

Service Other Than Personal:

| | | | |
|--------------------------------|----------|--------|--|
| Printing and binding..... | \$80 93 | | |
| Postage | 11 50 | | |
| Transportation of persons..... | 343 70 | | |
| Cartage and freight..... | 89 | | |
| Communication | 243 96 | | |
| | | 680 98 | |
| | \$361 49 | | |

Supplies:

| | | | |
|--------------|--------|--|-----------|
| Office | 361 49 | | |
| | | | 13,450 46 |

SUMMARY—EXPENDED

| | | | |
|------------------------|------------|------------|--|
| For highways | \$2,620 14 | | |
| Assessors' plans | 1,013 73 | | |
| Law Department | 116 31 | | |
| Parks | 274 99 | | |
| Bridges | 120 16 | | |
| Cemetery | 478 65 | | |
| Sidewalks | 166 08 | | |
| Sewers | 651 29 | | |
| Water | 1,026 92 | | |
| | | \$6,468 27 | |

General Engineering

| | | | |
|---------------------------------|----------|-------------|--|
| Accounts | \$624 00 | | |
| General surveys and levels..... | 29 14 | | |
| Location plans | 140 59 | | |
| Unclassified | 1,645 99 | | |
| City Engineer | 3,500 00 | | |
| | | 5,939 72 | |
| | | \$12,407 99 | |

ASSESSORS' PLANS

Personal Service:

| | | | |
|---|----------|--|----------|
| Services of engineers and assistants..... | \$200 00 | | \$200 00 |
|---|----------|--|----------|

INSPECTION OF BUILDINGS

Personal Service:

| | | | |
|---------------------------|-------------|--|--|
| Permanent employees | \$10,925 39 | | |
|---------------------------|-------------|--|--|

Service Other Than Personal:

| | | | |
|---------------------------|--------|--|--|
| Printing and binding..... | \$7 35 | | |
| Postage | 79 70 | | |

| | | | |
|-----------------------------|---------|-------------|--------------|
| Amount carried forward..... | \$87 05 | \$10,925 39 | \$198,525 08 |
|-----------------------------|---------|-------------|--------------|

General Government—Continued

INSPECTION OF BUILDINGS—Concluded

| | | | |
|--------------------------------|----------|-------------|--------------|
| Amount brought forward..... | \$87 05 | \$10,925 39 | \$198,525 08 |
| Transportation of persons.... | 305 88 | | |
| Rent, taxes, water..... | 80 52 | | |
| Communication | 243 96 | | |
| Motor vehicle repairs and care | 161 82 | | |
| Expert and architect..... | 122 84 | | |
| | <hr/> | 1,002 07 | |
| Equipment: | | | |
| Motor vehicles | \$958 03 | | |
| | <hr/> | 958 03 | |
| Supplies: | | | |
| Office | \$182 66 | | |
| Food and ice..... | 52 90 | | |
| Motor vehicle | 531 29 | | |
| | <hr/> | 766 85 | |
| | | <hr/> | 13,652 34 |

CIVIL SERVICE REGISTRATION

| | | | |
|---------------------------|----------|--|--------|
| Personal Service: | | | |
| Permanent employees | \$400 00 | | |
| | <hr/> | | 400 00 |

MUNICIPAL BUILDINGS

| | | | |
|--------------------------------|-------------|----------|--------------|
| Personal Service: | | | |
| Permanent employees | \$19,821 40 | | |
| Service Other Than Personal: | | | |
| Advertising and posting..... | \$5 88 | | |
| Cartage and freight..... | 20 85 | | |
| Light and power..... | 2,558 33 | | |
| Boiler inspection | 34 00 | | |
| General plant | 4,325 31 | | |
| | <hr/> | 6,944 37 | |
| Equipment: | | | |
| General plant | \$2,829 91 | | |
| | <hr/> | 2,829 91 | |
| Supplies: | | | |
| Fuel | \$7,374 54 | | |
| Laundry, cleaning, toilet..... | 258 63 | | |
| Chemicals and disinfectants... | 13 24 | | |
| General plant | 1,221 72 | | |
| | <hr/> | 8,868 13 | |
| | | <hr/> | 38,463 81 |
| Amount carried forward..... | | | \$251,041 23 |

**PROTECTION OF LIFE AND PROPERTY
POLICE DEPARTMENT**

Amount brought forward..... \$251,041 23

Personal Service:

Salaries and wages.....\$344,724 96

Service Other Than Personal:

| | | |
|----------------------------------|----------|-----------------|
| Printing and binding..... | \$4 41 | |
| Postage | 28 00 | |
| Transportation of persons.... | 650 00 | |
| Hire of teams and auto trucks | 98 | |
| Light and power..... | 1,550 92 | |
| Communication | 647 74 | |
| Motor vehicle repairs and care | 1,574 76 | |
| Fees, service of venires, etc... | 62 00 | |
| Photographic and blue-printing | 6 05 | |
| General plant | 17 16 | |
| Cleaning | 3 71 | |
| | | <u>4,545 73</u> |

Equipment:

| | | |
|-----------------------------|----------|-----------------|
| Furniture and fittings..... | \$553 14 | |
| Office | 506 71 | |
| Motor vehicles | 294 00 | |
| Tools and instruments..... | 766 76 | |
| Insignia | 718 39 | |
| General plant | 608 24 | |
| | | <u>3,447 24</u> |

Supplies:

| | | |
|---------------------------------|------------|-----------------|
| Office | \$1,763 53 | |
| Food and ice..... | 145 31 | |
| Medical, surgical, laboratory.. | 6 43 | |
| Laundry, cleaning, toilet..... | 118 32 | |
| Motor vehicle | 1,686 79 | |
| General plant | 104 77 | |
| | | <u>3,825 15</u> |

356 543 08

FIRE DEPARTMENT

Personal Service:

Salaries and wages..... \$296,982 54

Service Other Than Personal:

| | | |
|--------------------------------|----------|-----------------|
| Printing and binding..... | \$77 07 | |
| Advertising and posting..... | 19 80 | |
| Transportation of persons.... | 150 00 | |
| Cartage and freight..... | 19 00 | |
| Hire of teams and auto trucks | 117 00 | |
| Light and power..... | 992 78 | |
| Communication | 78 61 | |
| Motor vehicle repairs and care | 3,043 47 | |
| Motorless vehicle repairs..... | 301 41 | |
| General plant | 720 69 | |
| Horseshoeing and clipping.... | 1,605 02 | |
| | | <u>7,124 85</u> |

| | | |
|-----------------------------|--------------|---------------------|
| Amount carried forward..... | \$304,107 39 | <u>\$607,584 31</u> |
|-----------------------------|--------------|---------------------|

Protection of Life and Property—Continued

FIRE DEPARTMENT—Concluded

Amount brought forward..... \$304,107 39 \$607,584 31

Equipment:

| | | |
|---------------------------------|----------|--------|
| Furniture and fittings..... | \$107 73 | |
| Medical, surgical, laboratory.. | 147 00 | |
| Wearing apparel | 222 46 | |
| | <hr/> | 477 19 |

Supplies:

| | | |
|--------------------------------|----------|------------|
| Office | \$110 94 | |
| Food and ice..... | 81 45 | |
| Fuel | 9,011 73 | |
| Forage and animal..... | 5,204 29 | |
| Laundry, cleaning, toilet..... | 1,154 92 | |
| Motor vehicle | 3,737 28 | |
| Chemicals and disinfectants.. | 201 38 | |
| General plant | 3,936 57 | |
| | <hr/> | 23,438 56 |
| | | <hr/> |
| | | 328,023 14 |

ELECTRICAL DEPARTMENT

Personal Service:

Permanent and temporary employees..... \$31,606 61

Service Other Than Personal:

| | | |
|----------------------------------|---------|----------|
| Printing and binding..... | \$32 61 | |
| Postage | 26 00 | |
| Advertising and posting..... | 1 47 | |
| Transportation of persons.... | 400 00 | |
| Cartage and freight..... | 38 83 | |
| Light and power..... | 207 80 | |
| Rent, taxes, water..... | 96 00 | |
| Communication | 97 03 | |
| Motor vehicle repairs and care | 139 81 | |
| Fees, service of venires, etc... | 34 00 | |
| | <hr/> | 1,073 55 |

Equipment:

| | | |
|---------------------------------|----------|----------|
| Apparatus, cable, wire, etc.... | \$635 66 | |
| Electrical | 342 02 | |
| Motor vehicles | 382 95 | |
| Office | 156 80 | |
| Tools and instruments..... | 23 79 | |
| | <hr/> | 1,541 22 |

Supplies:

| | | |
|--------------------------------|----------|-----------|
| Office | \$272 10 | |
| Food and ice..... | 56 88 | |
| Laundry, cleaning, toilet..... | 19 72 | |
| Motor vehicle | 1,436 88 | |
| General plant | 1,891 30 | |
| | <hr/> | 3,676 88 |
| | | <hr/> |
| | | 37,898 26 |

Amount carried forward..... \$973,055 71

Protection of Life and Property—Concluded

SEALER OF WEIGHTS AND MEASURES

Amount brought forward..... \$973,055 71

Personal Service:

Permanent employees \$7,577 69

Service Other Than Personal:

| | | |
|----------------------------------|---------|--------------|
| Printing and binding..... | \$62 67 | |
| Postage | 11 37 | |
| Advertising and posting..... | 7 84 | |
| Transportation of persons.... | 74 23 | |
| Rent, taxes, water..... | 145 04 | |
| Communication | 30 70 | |
| Motor vehicle repairs and care | 81 90 | |
| Stenographic, copying, indexing | 3 04 | |
| Fees, service of venires, etc... | 26 00 | |
| | | <hr/> 442 79 |

Equipment:

| | | |
|----------------------------|---------|-------------|
| Tools and instruments..... | \$98 12 | |
| | | <hr/> 98 12 |

Supplies:

| | | |
|---------------------|---------|--------------|
| Office | \$36 22 | |
| Motor vehicle | 567 60 | |
| General plant | 104 09 | |
| | | <hr/> 707 91 |

8,826 51

PARK DEPARTMENT—FORESTRY

Personal Service:

Temporary employees \$11,857 54

Service Other Than Personal:

| | | |
|--------------------------------|--------|--------------|
| Advertising and posting..... | 5 88 | |
| Hire of teams and auto trucks | 366 00 | |
| Motor vehicle repairs and care | 71 43 | |
| General plant | 35 18 | |
| | | <hr/> 478 49 |

Supplies: .

| | | |
|-------------------------------|---------|----------------|
| Office | \$14 70 | |
| Agricultural | 709 32 | |
| Motor vehicle | 3 48 | |
| Chemicals and disinfectants.. | 377 47 | |
| General plant | 235 24 | |
| | | <hr/> 1,340 22 |

13,676 25

GAME WARDEN

Personal Service:

Salary of game warden..... \$50 00

50 00

Amount carried forward..... \$996,058 47

HEALTH AND SANITATION

BOARD OF HEALTH

Amount brought forward..... \$996,058 47 .

Personal Service:

| | | |
|--|------------|-------------|
| Medical Inspectors | \$3,083 35 | |
| Bacteriologist | 1,152 00 | |
| Sanitary Inspectors | 6,756 38 | |
| Inspector of provisions and slaughtering | 3,440 00 | |
| Housing inspector | 371 07 | |
| Office employees, social workers and driver..... | 6,846 95 | |
| School physicians and school nurses | 13,678 47 | |
| Infant welfare nurses..... | 2,452 00 | |
| T. B. Dispensary physician and nurses | 2,202 82 | |
| Contagious nurses | 1,843 70 | |
| Culture collector | 167 95 | |
| | <hr/> | \$41,994 69 |

Service Other Than Personal:

| | | |
|----------------------------------|-----------|-----------|
| Printing and binding..... | \$349 33 | |
| Postage | 418 94 | |
| Transportation of persons.... | 2,033 81 | |
| Cartage and freight..... | 26 | |
| Rent, taxes, water..... | 166 68 | |
| Communication | 285 73 | |
| Motor vehicle repairs and care | 600 40 | |
| Care of persons..... | 13,762 09 | |
| Fees, service of venires, etc... | 19 20 | |
| General plant | 24 50 | |
| | <hr/> | 17,660 94 |

Equipment:

| | | |
|---------------------------------|---------|-------|
| Office | \$78 40 | |
| Medical, surgical, laboratory.. | 18 62 | |
| | <hr/> | 97 02 |

Supplies:

| | | |
|---------------------------------|------------|-----------|
| Office | \$1,041 06 | |
| Food and ice..... | 126 11 | |
| Medical, surgical, laboratory.. | 334 40 | |
| Motor vehicle | 754 62 | |
| Chemicals and disinfectants.. | 170 01 | |
| General plant | 69 70 | |
| School inspection | 164 73 | |
| Infant welfare | 123 34 | |
| | <hr/> | 2,783 97 |
| | | <hr/> |
| | | 62,536 62 |

TUBERCULOSIS HOSPITAL

Personal Service:

| | | |
|--|-------------|----------------|
| Permanent and temporary employees..... | \$21,678 53 | |
| | <hr/> | |
| Amount carried forward..... | \$21,678 53 | \$1,058,595 09 |

Health and Sanitation—Continued

TUBERCULOSIS HOSPITAL—Concluded

| | | |
|-------------------------------------|-------------|----------------|
| Amount brought forward..... | \$21,678 53 | \$1,058,595 09 |
| Service Other Than Personal: | | |
| Printing and binding..... | \$11 66 | |
| Advertising and posting..... | 1 50 | |
| Cartage and freight..... | 15 70 | |
| Light and power..... | 115 70 | |
| Communication | 107 83 | |
| General plant | 766 99 | |
| | <hr/> | 1,019 38 |
| Equipment: | | |
| Furniture and fittings..... | \$200 00 | |
| Educational and recreational.. | 45 60 | |
| Medical, surgical, laboratory.. | 34 45 | |
| | <hr/> | 280 05 |
| Supplies: | | |
| Office | \$46 63 | |
| Food and ice..... | 20,337 98 | |
| Fuel | 5,500 00 | |
| Medical, surgical, laboratory.. | 1,590 08 | |
| Laundry, cleaning, toilet..... | 497 65 | |
| Educational, recreational | 85 01 | |
| Agricultural | 48 61 | |
| General plant | 1,862 97 | |
| | <hr/> | 33,638 14 |
| | | <hr/> |
| | | 56,616 10 |

INSPECTION OF ANIMALS

| | | |
|-------------------------------------|------------|----------|
| Personal Service: | | |
| Salary of inspector..... | \$1,700 00 | |
| Service Other Than Personal: | | |
| Transportation of persons..... | 700 00 | |
| Supplies: | | |
| Medical, surgical, laboratory..... | 392 66 | |
| | <hr/> | 2,792 66 |

INSPECTION OF MILK AND VINEGAR

| | | |
|-------------------------------------|------------|----------------|
| Personal Service: | | |
| Permanent employees | \$2,800 00 | |
| Service Other Than Personal: | | |
| Postage | \$25 20 | |
| Transportation of persons.... | 50 00 | |
| Cartage and freight..... | 2 14 | |
| Rent, taxes, water..... | 117 60 | |
| Fees, service of venires, etc... | 12 00 | |
| | <hr/> | 206 94 |
| Equipment: | | |
| Apparatus, cable, wire, etc..... | 26 95 | |
| | <hr/> | |
| Amount carried forward..... | \$3,033 89 | \$1,118,003 85 |

Health and Sanitation—Continued

INSPECTION OF MILK AND VINEGAR—Concluded

Amount brought forward..... \$3,033 89 \$1,118,003 85

Supplies:

| | | | |
|---------------------------------|---------|---------------|-----------------|
| Office | \$45 12 | | |
| Medical, surgical, laboratory.. | 141 05 | | |
| Laundry, cleaning, toilet..... | 14 53 | | |
| Motor vehicle | 748 06 | | |
| | | <u>948 76</u> | |
| | | | <u>3,982 65</u> |

SCHOOL DENTIST

Personal Service:

Permanent employees \$3,331 31

Supplies:

| | | | |
|---------------------------------|---------|---------------|-----------------|
| Office | \$62 62 | | |
| Medical, surgical, laboratory.. | 363 99 | | |
| | | <u>426 61</u> | |
| | | | <u>3,757 92</u> |

SUPPRESSION OF FLIES AND MOSQUITOES

Personal Service:

Temporary employees 3,419 01 3,419 01

SEWER MAINTENANCE

Personal Service:

Permanent and temporary employees..... \$18,938 11

Service Other Than Personal:

| | | | |
|----------------------------------|----------|-----------------|--|
| Postage | \$35 06 | | |
| Advertising and posting..... | 48 02 | | |
| Transportation of persons.... | 60 00 | | |
| Cartage and freight | 2 69 | | |
| Light and power | 11 05 | | |
| Rent, taxes, water..... | 83 92 | | |
| Communication | 68 52 | | |
| Motor vehicle repairs and care | 2,839 57 | | |
| Motorless vehicle repairs..... | 45 69 | | |
| Cleaning | 114 50 | | |
| Fees, service of venires, etc... | 20 00 | | |
| General plant | 124 23 | | |
| Harness, etc., repairs..... | 15 38 | | |
| Horseshoeing and clipping.... | 22 05 | | |
| | | <u>3,490 68</u> | |

Equipment:

Tools and instruments..... 26 26

Amount carried forward..... \$22,455 05 \$1,129,163 43

Health and Sanitation—Concluded

SEWER MAINTENANCE—Concluded

Amount brought forward..... \$22,455 05 \$1,129,163 43

Supplies:

| | | |
|-------------------------|----------|----------|
| Office | \$74 65 | |
| Fuel | 194 18 | |
| Forage and animals..... | 162 45 | |
| Motor vehicle | 3,065 02 | |
| General plant | 293 61 | |
| | <hr/> | 3,789 91 |

Materials:

| | | |
|-------------|--------|-----------|
| Sewer | 564 52 | |
| | <hr/> | 26,809 48 |

STREET DEPARTMENT—SANITARY DIVISION

Refuse and Garbage Disposal

Personal Service:

Permanent and temporary employees..... \$197,642 48

Service Other Than Personal:

| | | |
|----------------------------------|----------|--------|
| Motor vehicle repairs and care | \$117 04 | |
| Medical | 367 86 | |
| Fees, service of venires, etc... | 26 00 | |
| General plant | 290 66 | |
| | <hr/> | 801 56 |

Equipment:

| | | |
|---------------------|----------|--------|
| General plant | \$233 73 | |
| | <hr/> | 233 73 |

Supplies:

| | | |
|---------------------------------|----------|----------|
| Medical, surgical, laboratory.. | \$24 35 | |
| Motor vehicle | 1,277 20 | |
| General plant | 340 30 | |
| | <hr/> | 1,641 85 |

Special Items:

| | | |
|---------------------------------|----------|------------|
| Workingmen's Compensation | 3,369 17 | |
| | <hr/> | 203,688 79 |

HIGHWAYS AND BRIDGES

STREET DEPARTMENT MAINTENANCE

Personal Service:

Permanent and temporary employees..... \$191,819 74

Service Other Than Personal:

| | | |
|-------------------------------|----------|--|
| Printing and binding..... | \$329 65 | |
| Postage | 29 10 | |
| Advertising and posting..... | 326 96 | |
| Cartage and freight | 19 73 | |
| Hire of teams and auto trucks | 8,529 73 | |
| Light and power | 430 05 | |
| | <hr/> | |

| | | | |
|-----------------------------|------------|--------------|----------------|
| Amount carried forward..... | \$9,665 22 | \$191,819 74 | \$1,359,661 70 |
|-----------------------------|------------|--------------|----------------|

Highways and Bridges—Continued

STREET DEPARTMENT MAINTENANCE—Concluded

| | | | |
|--|-------------|--------------|----------------|
| Amount brought forward..... | \$9,665 22 | \$191,819 74 | \$1,359,661 70 |
| Communication | 204 05 | | |
| Motor vehicle repairs and care | 411 39 | | |
| Medical ...j.....j..... | 170 00 | | |
| Testing materials and supplies | 31 36 | | |
| Fees, service of venires, etc... | 84 00 | | |
| Boiler inspection | 20 00 | | |
| General plant | 536 61 | | |
| | | 11,122 63 | |
| Equipment: | | | |
| Apparatus, cable, wire, etc.... | \$449 82 | | |
| Motor vehicles | 908 00 | | |
| Furniture and fittings..... | 163 17 | | |
| Tools and instruments..... | 232 72 | | |
| Live stock | 3,038 00 | | |
| Wearing apparel | 8 82 | | |
| General plant | 46 06 | | |
| | | 4,846 59 | |
| Supplies: | | | |
| Office | \$314 16 | | |
| Food and ice..... | 24 35 | | |
| Fuel | 304 14 | | |
| Motor vehicle | 3,845 24 | | |
| General plant | 2,082 48 | | |
| | | 6,570 37 | |
| Materials: | | | |
| Highway | \$24,198 80 | | |
| Bridges | 1,637 94 | | |
| | | 25,836 74 | |
| Special Items: | | | |
| Workingmen's Compensation . | \$1,801 27 | | |
| Contracts for construction where money is derived from taxes, as per Schedule B... | 5,471 71 | | |
| | | 7,272 98 | |
| | | | 247,469 05 |

STREET DEPARTMENT STABLE ACCOUNT

Personal Service:

Permanent and temporary employees..... \$50,653 31

Service Other Than Personal:

| | | |
|--------------------------------|----------|----------|
| Light and power | \$636 35 | |
| Communication | 162 33 | |
| Motorless vehicle repairs..... | 279 38 | |
| Medical | 5 00 | |
| Veterinary | 11 00 | |
| General plant | 195 52 | |
| Horseshoeing and clipping.... | 20 96 | |
| | | 1,310 54 |

| | | |
|-----------------------------|-------------|----------------|
| Amount carried forward..... | \$51,963 85 | \$1,607,130 75 |
|-----------------------------|-------------|----------------|

Highways and Bridges—Continued

STREET DEPARTMENT STABLE ACCOUNT—Concluded

| | | |
|-----------------------------|-------------|----------------|
| Amount brought forward..... | \$51,963 85 | \$1,607,130 75 |
|-----------------------------|-------------|----------------|

Equipment:

| | | |
|----------------------------|------|--|
| Tools and instruments..... | 9 66 | |
|----------------------------|------|--|

Supplies:

| | |
|---------------------------------|-----------|
| Food and ice..... | \$25 85 |
| Fuel | 2,303 31 |
| Forage and animals..... | 40,142 11 |
| Medical, surgical, laboratory.. | 55 |
| Laundry, cleaning, toilet..... | 6 12 |
| Chemicals and disinfectants... | 23 03 |
| General plant | 7,704 97 |

| | |
|--|------------------|
| | <u>50,205 94</u> |
|--|------------------|

| | | |
|--|--|------------|
| | | 102,179 45 |
|--|--|------------|

COMPLETION OF ASH STATION

Service Other Than Personal:

| | |
|--|----------|
| Advertising | \$4 78 |
| Fee of Architect..... | 86 66 |
| Contract for completion of ash hopper | 1,436 00 |

| | |
|--|-----------------|
| | <u>1,526 94</u> |
|--|-----------------|

| | | |
|--|--|----------|
| | | 1,526 94 |
|--|--|----------|

FIRST STREET BRIDGE

Service Other Than Personal:

| | |
|---------------------|------------|
| General plant | \$2,272 15 |
|---------------------|------------|

Supplies:

| | |
|---------------------|----------|
| General plant | 1,798 06 |
|---------------------|----------|

Materials:

| | |
|---------------|-------|
| Bridges | 80 06 |
|---------------|-------|

| | | |
|--|--------------|----------|
| | <u>80 06</u> | 4,150 27 |
|--|--------------|----------|

BOSTON AND CAMBRIDGE BRIDGES

Personal Service:

| | |
|--|-------------|
| Permanent and temporary employees..... | \$18,533 52 |
|--|-------------|

Service Other Than Personal:

| | |
|--------------------------------|----------|
| Printing and binding..... | \$8 68 |
| Transportation of persons..... | 70 00 |
| Hire of teams and auto trucks | 146 50 |
| Light and power | 2,789 29 |
| Communication | 22 00 |
| General plant | 4,337 64 |

| | |
|--|-----------------|
| | <u>7,374 11</u> |
|--|-----------------|

| | | |
|-----------------------------|-------------|----------------|
| Amount carried forward..... | \$25,907 63 | \$1,714,987 41 |
|-----------------------------|-------------|----------------|

Highways and Bridges—Concluded

BOSTON AND CAMBRIDGE BRIDGES—Concluded

| | | |
|-----------------------------|-------------|----------------|
| Amount brought forward..... | \$25,907 63 | \$1,714,987 41 |
|-----------------------------|-------------|----------------|

Supplies:

| | | |
|---------------------|---------|--------|
| Office | \$43 60 | |
| Food and ice..... | 13 72 | |
| Fuel | 158 96 | |
| General plant | 208 23 | |
| | <hr/> | 424 51 |

Materials:

| | | |
|---------------|----------|-----------|
| Bridges | 1,717 95 | |
| | <hr/> | 28,050 09 |

STREET LIGHTING

Service Other Than Personal:

| | | |
|---|-------------|-----------|
| Lighting streets, alleys and parks | \$79,813 93 | |
| Communication | 34 70 | |
| | <hr/> | 79,848 63 |

Equipment:

| | | |
|------------------|-------|-----------|
| Electrical | 24 50 | |
| | <hr/> | 79,873 13 |

CHARITIES

CITY HOME

Personal Service:

| | |
|--|-------------|
| Permanent and temporary employees..... | \$16,252 57 |
|--|-------------|

Service Other Than Personal:

| | | |
|----------------------------------|---------|----------|
| Postage | \$23 00 | |
| Advertising and posting..... | 2 55 | |
| Transportation of persons..... | 230 00 | |
| Hire of teams and auto trucks | 149 80 | |
| Light and power | 621 21 | |
| Communication | 82 49 | |
| Motorless vehicle repairs..... | 24 74 | |
| Care of persons..... | 435 71 | |
| Medical | 10 00 | |
| Religious | 82 00 | |
| Fees, service of venires, etc... | 5 25 | |
| Boiler inspection | 44 10 | |
| Burial | 125 00 | |
| General plant | 515 64 | |
| Harness, repairs..... | 15 19 | |
| Horseshoeing and clipping.... | 59 34 | |
| | <hr/> | 2,426 02 |

Equipment:

| | | |
|------------------------------|----------|--------|
| Furniture and fittings | \$188 62 | |
| Live stock | 50 00 | |
| Wearing apparel | 655 79 | |
| | <hr/> | 894 41 |

| | | |
|-----------------------------|-------------|----------------|
| Amount carried forward..... | \$19,573 00 | \$1,822,910 63 |
|-----------------------------|-------------|----------------|

Charities—Continued

CITY HOME—Concluded

| | | | |
|---------------------------------|-----------|-------------|----------------|
| Amount brought forward..... | | \$19,573 00 | \$1,822,910 63 |
| Supplies: | | | |
| Office | \$34 70 | | |
| Food and ice..... | 14,473 00 | | |
| Fuel | 3,969 09 | | |
| Forage and animal..... | 769 16 | | |
| Medical, surgical, laboratory.. | 583 71 | | |
| Laundry, cleaning, toilet..... | 137 07 | | |
| Agricultural | 302 13 | | |
| Chemicals and disinfectants... | 56 10 | | |
| Tobacco | 299 25 | | |
| General plant | 904 36 | | |
| | | 21,528 57 | |
| Materials: | | | |
| Building | | 398 74 | |
| Special Items: | | | |
| Care of dependents..... | | 645 50 | |
| | | | 42,145 81 |

OUTSIDE AID

| | | | |
|--|----------|-------------|----------------|
| Personal Service: | | | |
| Permanent and temporary employees..... | | \$12,070 00 | |
| Service Other Than Personal: | | | |
| Printing and binding..... | \$90 99 | | |
| Postage | 41 95 | | |
| Advertising and posting..... | 1,051 77 | | |
| Transportation of persons..... | 30 86 | | |
| Light and power | 119 56 | | |
| Rent, taxes, water..... | 128 35 | | |
| Communication | 17 76 | | |
| Motor vehicle repairs and care | 1,836 00 | | |
| Care of persons..... | 12 00 | | |
| Fees, service of venires, etc... | 233 00 | | |
| Burial | 56 55 | | |
| General plant | | 3,639 64 | |
| Equipment: | | | |
| Motor vehicles | \$780 08 | | |
| Office | 220 78 | | |
| Wearing apparel | 630 46 | | |
| | | 1,631 32 | |
| Supplies: | | | |
| Office | \$429 78 | | |
| Food and ice..... | 5,639 94 | | |
| Fuel | 630 86 | | |
| Medical, surgical, laboratory.. | 778 79 | | |
| Motor vehicle | 150 80 | | |
| General plant | 19 36 | | |
| | | 7,649 53 | |
| Amount carried forward..... | | \$24,990 49 | \$1,865,056 44 |

Charities—Concluded

OUTSIDE AID—Concluded

| | | |
|-----------------------------|-------------|----------------|
| Amount brought forward..... | \$24,990 49 | \$1,865,056 44 |
|-----------------------------|-------------|----------------|

Special Items:

| | | |
|-------------------------|-------------------|-------------------|
| Care of dependents..... | \$67,024 87 | |
| Mothers' Aid | 74,690 11 | |
| | <u>141,714 98</u> | |
| | | <u>166,705 47</u> |

SOLDIERS' BENEFITS

STATE AID AND SOLDIERS' RELIEF

Personal Service:

| | |
|--|------------|
| Permanent and temporary employees..... | \$5,919 50 |
|--|------------|

Service Other Than Personal:

| | |
|----------------------------------|-----------------|
| Printing and binding..... | \$100 20 |
| Postage | 33 00 |
| Transportation of persons..... | 61 70 |
| Cartage and freight | 2 94 |
| Communication | 60 99 |
| Motor vehicle repairs and care | 107 28 |
| Care of persons..... | 526 58 |
| Medical | 121 52 |
| Fees, service of venires, etc... | 10 00 |
| Registration, returning soldiers | 22 50 |
| | <u>1,046 71</u> |

Equipment:

| | |
|--------------|-------|
| Office | 90 90 |
|--------------|-------|

Supplies:

| | |
|---------------------|---------------|
| Office | \$48 27 |
| Food and ice..... | 56 84 |
| Motor vehicle | 292 23 |
| | <u>397 34</u> |

Special Items:

| | |
|---|-----------|
| State and Military Aid, Soldiers' Relief and burials..... | 56,225 55 |
|---|-----------|

Incidental Expenditures:

| | | |
|----------------------------|---------------|-----------|
| Care soldiers' graves..... | 155 46 | |
| | <u>155 46</u> | 63,835 46 |

MUNICIPAL HOSPITAL

Personal Service:

| | |
|--|-------------|
| Permanent and temporary employees..... | \$29,118 62 |
|--|-------------|

Service Other Than Personal:

| | |
|--------------------------------|----------------|
| Printing and binding..... | \$22 54 |
| Postage | 23 00 |
| Advertising and posting..... | 14 41 |
| Transportation of persons..... | 30 00 |
| | <u>\$89 95</u> |

| | | | |
|-----------------------------|---------|-------------|----------------|
| Amount carried forward..... | \$89 95 | \$29,118 62 | \$2,095,597 37 |
|-----------------------------|---------|-------------|----------------|

MUNICIPAL HOSPITAL—Concluded

| | | | |
|----------------------------------|-----------|-------------|----------------|
| Amount brought forward..... | \$89 95 | \$29,118 62 | \$2,095,597 37 |
| Advertising and posting..... | 79 23 | | |
| Light and power | 4,592 08 | | |
| Communication | 503 08 | | |
| Cleaning | 200 71 | | |
| Medical | 266 26 | | |
| Examinations | 20 00 | | |
| Fees, service of venires, etc... | 10 00 | | |
| Boiler inspection | 5 00 | | |
| General plant | 2,471 45 | | |
| | | 8,237 76 | |
| Equipment: | | | |
| Furniture and fittings..... | \$209 64 | | |
| Medical, surgical, laboratory.. | 58 80 | | |
| Wearing apparel | 90 55 | | |
| | | 358 99 | |
| Supplies: | | | |
| Office | \$909 88 | | |
| Food and ice..... | 19,047 84 | | |
| Fuel | 6,761 52 | | |
| Medical, surgical, laboratory.. | 7,745 53 | | |
| Laundry, cleaning, toilet..... | 1,117 58 | | |
| General plant | 3,125 74 | | |
| | | 38,708 09 | |
| Incidental Expenditures: | | | |
| Graduation | | 71 26 | |
| | | | 76,494 72 |

EDUCATION

SCHOOL COMMITTEE EXPENSES

| | | | |
|--|-------------|--|----------------|
| For Administrative salaries | \$20,913 00 | | |
| Other general salaries..... | 29,548 10 | | |
| Teachers' salaries | 912,266 05 | | |
| General expenses | 7,484 74 | | |
| Text-books and supplies..... | 68,926 20 | | |
| Tuition, industrial schools..... | 461 92 | | |
| Transportation of pupils..... | 699 52 | | |
| Support of truants..... | 76 71 | | |
| Fuel and light | 62,572 67 | | |
| Maintenance of buildings and grounds.... | 34,302 16 | | |
| Furniture and furnishings..... | 1,480 85 | | |
| Other expenses | 4,246 33 | | |
| Janitors' salaries | 78,270 04 | | |
| Minor licenses | 43 50 | | |
| Janitors' pensions | 2,773 10 | | |
| Agent's pension | 1,425 00 | | |
| Total | | | \$1,225,485 89 |
| Amount carried forward..... | | | \$3,397,577 98 |

Education—Cincludcd

INSTALLING SHOWER BATHS AT ROBERTS SCHOOL

Amount brought forward..... \$3,397,577 98

Service Other Than Personal:

| | | |
|---------------------------------|----------|------------|
| Advertising | \$7 35 | |
| Contract and extras..... | 1,956 62 | |
| Installing electric lights..... | 23 55 | |
| Carpentry, etc. | 59 19 | |
| Hire of teams and auto trucks | 17 64 | |
| Painting | 85 51 | |
| Masonry | 248 43 | |
| | <hr/> | \$2,398 29 |

Supplies:

| | | |
|---------------------|---------|----------------|
| General plant | \$12 08 | |
| | <hr/> | 12 08 |
| | | <hr/> 2,410 37 |

MAINTENANCE SHOWER BATHS AT THORNDIKE SCHOOL

Personal Service:

| | |
|---------------------------|------------|
| Temporary employees | \$1,164 00 |
|---------------------------|------------|

Supplies:

| | | |
|-------------------------------|--------|----------|
| Soap, towels and laundry..... | 526 80 | |
| | <hr/> | 1,690 80 |

MAINTENANCE SHOWER BATHS AT HAGGERTY SCHOOL

Personal Service:

| | |
|---------------------------|----------|
| Temporary employees | \$571 50 |
|---------------------------|----------|

Supplies:

| | | |
|-------------------------------|--------|--------|
| Soap, towels and laundry..... | 113 74 | |
| | <hr/> | 685 24 |

MAINTENANCE SHOWER BATHS AT ROBERTS SCHOOL

Personal Service:

| | |
|---------------------------|----------|
| Temporary employees | \$958 00 |
|---------------------------|----------|

Supplies:

| | | |
|-------------------------------|-------|----------|
| Soap, towels and laundry..... | 97 50 | |
| | <hr/> | 1,055 50 |

LIBRARIES

CENTRAL LIBRARY AND BRANCHES

Personal Service:

| | |
|--|-------------|
| Permanent and temporary employees..... | \$32,572 94 |
|--|-------------|

Service Other Than Personal:

| | |
|------------------------------|------------|
| Printing and binding..... | \$2,842 19 |
| Postage | 145 99 |
| Advertising and posting..... | 3 67 |
| | <hr/> |

| | | | |
|-----------------------------|------------|-------------|----------------|
| Amount carried forward..... | \$2,991 85 | \$32,572 94 | \$3,403,419 89 |
|-----------------------------|------------|-------------|----------------|

Libraries—Concluded

CENTRAL LIBRARY AND BRANCHES—Concluded

| | | | |
|--------------------------------|------------|-------------|----------------|
| Amount brought forward..... | \$2,991 85 | \$32,572 94 | \$3,403,419 89 |
| Transportation of persons..... | 25 00 | | |
| Cartage and freight | 38 52 | | |
| Light and power | 952 07 | | |
| Rent | 1,097 00 | | |
| Insurance | 144 60 | | |
| Communication | 275 46 | | |
| Boiler inspection | 10 00 | | |
| General plant | 95 82 | | |
| | | 5,630 32 | |
| Equipment: | | | |
| Electrical | \$85 66 | | |
| Furniture and fittings..... | 187 54 | | |
| General plant | 7 35 | | |
| | | 280 55 | |
| Supplies: | | | |
| Office | \$162 30 | | |
| Ice, etc. | 51 41 | | |
| Fuel | 1,498 47 | | |
| Library | 7,985 13 | | |
| Laundry, cleaning, toilet..... | 100 85 | | |
| Motor vehicle | 296 12 | | |
| General plant | 267 34 | | |
| | | 10,361 62 | |
| | | | 48,845 43 |

RECREATION

PARK DEPARTMENT MAINTENANCE

Personal Service:

Permanent and temporary employees..... \$42,799 49

Service Other Than Personal:

| | | | |
|--|----------|----------|--|
| Printing and binding..... | \$114 94 | | |
| Postage | 3 00 | | |
| Advertising and posting..... | 18 12 | | |
| Cartage and freight | 26 55 | | |
| Hire of teams and auto trucks | 314 70 | | |
| Light and power | 90 02 | | |
| Rent, taxes, water..... | 201 62 | | |
| Lighting streets, alleys and parks, | 841 60 | | |
| Communication | 271 92 | | |
| Motor vehicle repairs and care | 585 05 | | |
| Motorless vehicle repairs..... | 39 34 | | |
| Medical | 65 00 | | |
| Towing | 137 20 | | |
| Fees, etc. | 4 00 | | |
| Boiler inspection | 5 00 | | |
| General plant | 2,324 79 | | |
| | | 9,042 85 | |

Amount carried forward..... \$51,842 34 \$3,452,265 32

Recreation—Continued

PARK DEPARTMENT MAINTENANCE—Concluded

Amount brought forward..... \$51,842 34 \$3,452,265 32

Equipment:

| | | |
|-----------------------|----------|--------|
| Electrical | \$541 00 | |
| Wearing apparel | 160 76 | |
| General plant | 19 60 | |
| | <hr/> | 721 36 |

Supplies:

| | | |
|--------------------------------|----------|----------|
| Office | \$242 75 | |
| Food and ice..... | 43 51 | |
| Fuel | 940 18 | |
| Medical, surgical, etc..... | 28 61 | |
| Laundry, cleaning, toilet..... | 889 94 | |
| Recreational | 140 20 | |
| Agricultural | 260 10 | |
| Motor vehicle | 949 93 | |
| Chemicals and disinfectants... | 20 14 | |
| General plant | 1,724 22 | |
| | <hr/> | 5,239 58 |

Materials:

| | | |
|-----------------------------|----------|----------|
| Highway | \$475 90 | |
| Parks and recreational..... | 3,140 46 | |
| | <hr/> | 3,616 36 |

Special Items:

| | | |
|---------------------------------|-------|-----------|
| Workingmen's compensation | 61 30 | |
| | <hr/> | 61,480 94 |

PARK DEPARTMENT—RESTORING CAMBRIDGE COMMON

Personal Service:

| | | |
|---------------------------|------------|--|
| Temporary employees | \$5,199 39 | |
|---------------------------|------------|--|

Service Other Than Personal:

| | | |
|-------------------------------|---------|--------|
| Advertising and posting..... | \$18 12 | |
| Hire of teams and auto trucks | 366 00 | |
| Rent of tractor..... | 585 00 | |
| | <hr/> | 969 12 |

Supplies:

| | | |
|---------------------|------------|----------|
| Agricultural | \$5,412 29 | |
| General plant | 13 60 | |
| | <hr/> | 5,425 89 |

Materials:

| | | |
|-----------------------------|--------|-----------|
| Parks and recreational..... | 749 70 | |
| | <hr/> | 12,344 10 |

PARK, GRAVEL FOR BASEBALL DIAMOND AND TENNIS COURTS AT
CAPTAIN'S ISLAND

Materials:

| | | |
|---------------|----------|--------|
| Highway | \$897 00 | |
| | <hr/> | 897 00 |

Amount carried forward..... \$3,526,987 36

Recreation—Concluded

PLAYGROUNDS MAINTENANCE

| | | | |
|-------------------------------------|----------|-----------------|-----------------|
| Amount brought forward..... | | | \$3,526,987 36 |
| Personal Service: | | | |
| Temporary employees | | \$4,162 15 | |
| Service Other Than Personal: | | | |
| Transportation of persons..... | \$100 00 | | |
| Hire of teams and auto trucks | 11 76 | | |
| Rent | 20 00 | | |
| | | <u>131 76</u> | |
| Equipment: | | | |
| Recreational | \$139 16 | | |
| Wearing apparel | 66 15 | | |
| | | <u>205 31</u> | |
| Supplies: | | | |
| Office | \$5 88 | | |
| Laundry, cleaning, toilet..... | 7 84 | | |
| Educational and recreational.. | 1,129 61 | | |
| General plant | 46 24 | | |
| | | <u>1,189 57</u> | |
| | | | <u>5,688 79</u> |

UNCLASSIFIED

POSTAGE AND STATIONERY

| | | | |
|-------------------------------|----------|--|--------|
| For postage and supplies..... | \$545 36 | | 545 36 |
|-------------------------------|----------|--|--------|

WORKINGMEN'S COMPENSATION

AMERICANIZATION OF FOREIGN BORN

| | | | |
|--|----------|---------------|-----------------|
| Personal Service: | | | |
| For salary of clerk..... | | \$500 00 | |
| | | | <u>500 00</u> |
| Personal Service: | | | |
| For salaries of teachers and others..... | | \$3,641 83 | |
| Service Other Than Personal: | | | |
| Printing and binding..... | \$680 09 | | |
| Postage | 7 00 | | |
| Advertising and posting..... | 15 00 | | |
| Transportation of persons..... | 15 00 | | |
| Rent, etc. | 88 70 | | |
| Communication | 1 50 | | |
| General plant | 1 76 | | |
| | | <u>809 05</u> | |
| Supplies: | | | |
| Food and ice..... | \$2 00 | | |
| General plant | 3 46 | | |
| | | <u>5 46</u> | |
| Incidental Expenditures: | | | |
| Entertainments for educational purposes... | | 934 90 | |
| | | | <u>5,391 24</u> |
| Amount carried forward..... | | | \$3,539,112 75 |

Unclassified—Continued

PLANNING BOARD

Amount brought forward..... \$3,539,112 75

Personal Service:

Temporary employees \$1,330 00

Service Other Than Personal:

Printing and binding..... \$432 12

Stenographic, copying, indexing 18 00

General plant 13 00

463 12

Supplies:

Office \$37 73

General plant 36 50

74 23

1,867 35

RECORD OF ENLISTED MEN

Personal Service:

Temporary employees \$548 00

Service Other Than Personal:

Postage \$10 09

Rent 19 60

29 69

Supplies:

Office 105 35

683 04

DAMAGES TO PERSONS AND PROPERTY

Executions of Court:

Injuries from defect in street:

Burroughs, Hurwitz & Dearborn, attorneys for Joseph Berman \$225 00

J. J. O'Connor, attorney for Bridget Coakley 300 00

James M. Oates, attorney for Mary Covell..... 78 25

A. J. Berkwitz, attorney for Kate Klayman 100 00

Sawyer, Hardy, Stone & Morrison, attorneys for Nellie H. Philbrick 950 00

John P. Conroy, attorney for Katherine Sullivan 500 00

J. L. G. Glynn, attorney for Arthur P. Conture..... 150 00

J. J. Flynn, attorney for Andres Miele 200 00

Arthur K. Reading, attorney for Mary J. Moran..... 300 00

Wm. E. Weeks, attorney for Albert N. Pratt..... 150 00

\$2,953 25

Amount carried forward..... \$2,953 25 \$3,541,663 14

Unclassified—Continued

DAMAGES TO PERSONS AND PROPERTY—Continued

Amount brought forward..... \$2,953 25 \$3,541,663 14

Injuries:

From Press at Putnam School:

Bart. O'Neil, guardian for
Patrick J. Keanery..... \$32 50

From Falling Tree:

A. Levenson, attorney for
H. L. Moore..... 350 00

From Carboy Bursting in
Chemical Laboratory at
Rindge Technical School:

Kenneth Blennerhassett 75 00

From Fire Dept. automobile:

Joseph. H. Samuel, attorney
for Alvin Page..... 17 00

Joseph H. Samuel, attorney
for Effie M. Booker..... 40 00

At Rindge Field:

Walter J. Hanson 50 00

564 50

From defect in sidewalk:

Mary Guihan \$100 00

Eliza J. Sullivan..... 50 00

Nora Riley 50 00

Bridget Lucy 50 00

Julia M. Thompson..... 20 00

Charlotte Petherick 50 00

Mary Curran 75 00

Susan B. Sheridan..... 40 00

Goldie B. Tocherman..... 75 00

Lucy Steadman 35 00

Catherine Sullivan 100 00

645 00

From Defect in Street:

Helen M. Mulvahill \$25 00

Thomas Sullivan, attorney
for Ellen Cleary..... 50 00

Joseph W. Monahan, attor-
ney for Mabel E. Blake.... 50 00

David F. Corcoran..... 500 00

Edward J. Sullivan..... 25 00

Frances E. Dayton..... 25 00

675 00

Damage to Clothing:

William F. Ward \$16 00

Mary McDonald 20 00

Patrick F. Ready..... 16 00

Charles P. Donlan..... 16 00

Michael Normile 10 00

Nellie McDermott 10 00

Catherine E. Lonigan..... 45 00

Emil Olson 25 00

158 00

Damage to Property:

Amount carried forward..... \$4,995 75 \$3,541,663 14

Unclassified—Continued

DAMAGES TO PERSONS AND PROPERTY—Continued

Amount brought forward..... \$4,995 75 \$3,541,663 14

From Fallen Trees:

| | | |
|---------------------------|----------|--------|
| Mary H. Barrett..... | \$111 90 | |
| Thomas Howard | 24 50 | |
| John H. Whitson..... | 25 00 | |
| Ellen Brosnahan | 9 30 | |
| Katherine B. Kennedy..... | 7 10 | |
| Anthony F. Silva..... | 100 00 | |
| | | 277 80 |

Damage to Property:

| | | |
|--|--------|--------|
| Augustus C. Forrest..... | \$5 00 | |
| Herbert B. McIntire, M. D... | 35 00 | |
| Wm. F. Davidson | 10 00 | |
| George A. Connor..... | 28 98 | |
| J. Edmund Reardon..... | 50 00 | |
| American Retread & Tire Co. | 15 00 | |
| Daniel Green | 50 00 | |
| Joseph H. Samuel, attorney for Louis Zega..... | 118 00 | |
| W. Stewart Whittemore.... | 30 25 | |
| George A. Snow | 25 00 | |
| Owen F. Carnes..... | 9 00 | |
| Annie M. Coughlan..... | 4 00 | |
| John F. Fair, M. D..... | 100 00 | |
| Catherine T. Mahoney..... | 1 50 | |
| Bridget Ryan | 2 45 | |
| John Santora | 12 00 | |
| Morris Silverman | 2 50 | |
| Edward Sullivan | 2 50 | |
| J. J. Foley, attorney for Sam- uel R. Taylor..... | 100 00 | |
| Harrington Thurston | 10 71 | |
| Charles F. Gaylor..... | 2 00 | |
| J. J. Donovan..... | 50 00 | |
| Paul T. Wisewell..... | 15 00 | |
| Edward O'Connell | 30 00 | |
| Welsbach Lighting Company | 25 00 | |
| | | 733 89 |

Proportionate part of cost for erecting fence be-
tween school and lot on Holworthy Street:

| | |
|---------------------|-------|
| Gaetano Arena | 50 00 |
|---------------------|-------|

Continuation of salary awarded Grace Collins,
widow of James Collins, fireman (grant-
ed by Act of Legislature).....

655 00

Reimbursement of salary by Building Depart-
ment:

| | | |
|--------------------|---------|--------|
| James McVey | \$80 00 | |
| Nellie Carey | 45 00 | |
| Denis Nonan | 60 00 | |
| | | 185 00 |

Amount carried forward..... \$6,897 44 \$3,541,663 14

Unclassified—Continued

DAMAGES TO PERSONS AND PROPERTY—Concluded

| | | |
|---|------------|----------------|
| Amount brought forward..... | \$6,897 44 | \$3,541,663 14 |
| Reimbursement of salary, counsel fees, medical care, etc., for injuries received while on duty: | | |
| J. J. Hurley, attorney for Edward E. Dwyer..... | \$50 00 | |
| Lochlin Gavin | 86 31 | |
| Anton B. Diehl..... | 30 45 | |
| John F. Cosgrove..... | 200 00 | |
| Martin Hogan | 55 00 | |
| | <hr/> | 421 76 |
| Total | | 7,319 20 |

TELEPHONE EXCHANGE

Service Other Than Personal:

| | | |
|--|----------|--------|
| Amount expended in excess of department receipts | \$406 59 | 406 59 |
|--|----------|--------|

POST 30, G. A. R. HEADQUARTERS

Service Other Than Personal:

| | | |
|---|----------|--------|
| For rent of headquarters, Post 30 | \$400 00 | 400 00 |
|---|----------|--------|

MONUMENT SPANISH WAR VETERANS, CAMBRIDGE CEMETERY

Service Other Than Personal:

| | | |
|---------------------------|--------|---------|
| Advertising | | |
| Postage | \$4 41 | |
| Printing and binding..... | 9 50 | |
| Lighting, etc. | 14 90 | |
| | 10 00 | |
| | <hr/> | \$38 81 |

Incidental Expenditures:

| | | |
|----------------|----------|----------|
| Monument | \$800 00 | |
| Dedication: | | |
| Wreath | \$5 00 | |
| Band | 156 00 | |
| Lunches | 270 00 | |
| | <hr/> | 431 00 |
| | | <hr/> |
| | | 1,231 00 |
| | | <hr/> |
| | | 1,269 81 |

PUBLIC CELEBRATIONS

| | | |
|------------------------------------|------------|----------------|
| Returning soldiers and sailors.... | \$5 88 | |
| Patriot's Day | 242 24 | |
| Independence Day | 2,625 11 | |
| Memorial Day | 2,370 00 | |
| Labor Day | 312 45 | |
| Roosevelt Memorial | 17 35 | |
| | <hr/> | |
| Amount carried forward..... | \$5,573 03 | \$3,551,058 74 |

Unclassified—Concluded

PUBLIC CELEBRATIONS —Concluded

| | | | |
|-----------------------------|-----------------|--|----------------|
| Amount brought forward..... | \$5,573 03 | | \$3,551,058 74 |
| Armistic Day | 224 16 | | |
| Christmas Eve | 107 89 | | |
| | <u>5,905 08</u> | | 5,905 08 |

AMERICAN LEAGUE HEADQUARTERS

Service Other Than Personal:

| | | | |
|---|----------|--|--------|
| For rent of headquarters, American League | \$184 68 | | 184 68 |
|---|----------|--|--------|

ESTATE OF THOMAS RILEY

| | | | |
|--|------------|--|----------|
| Amount paid to the widow of Thomas Riley, policeman, killed on duty (under general laws) | \$1,000 00 | | 1,000 00 |
|--|------------|--|----------|

RENTING AND HOUSING COMMITTEE

Service Other Than Personal:

| | | | |
|--------------------------------|--------------|--|-------|
| Transportation of persons..... | \$25 00 | | |
| Stenographic | 10 00 | | |
| | <u>35 00</u> | | 35 00 |

MUNICIPAL PENSIONS

| | | | |
|------------------------------------|------------------|--|----------------|
| Clerk of Committees..... | \$450 00 | | |
| City Clerk | 382 50 | | |
| Treasury | 872 00 | | |
| Registrars of Voters..... | 494 00 | | |
| Fire | 24,479 62 | | |
| Police | 9,610 46 | | |
| Health | 529 00 | | |
| Sewers | 4,386 94 | | |
| Street Sanitary | 2,029 06 | | |
| Street Maintenance Department..... | 13,041 07 | | |
| Boston and Cambridge Bridges..... | 250 00 | | |
| School Teachers | 9,241 70 | | |
| Public Library | 61 33 | | |
| Soldiers' Aid | 350 00 | | |
| Parks | 1,047 40 | | |
| Cemetery | 1,057 96 | | |
| Water | 2,942 16 | | |
| | <u>71,225 20</u> | | |
| Amount carried forward..... | | | \$3,629,408 70 |

CEMETERIES

CAMBRIDGE CEMETERY

Amount brought forward..... \$3,629,408 70

Personal Service:

Permanent and temporary employees..... \$34,782 26

Service Other Than Personal:

| | | |
|--------------------------------|--------|----------|
| Printing and binding..... | \$8 82 | |
| Postage | 71 00 | |
| Advertising and posting..... | 7 94 | |
| Transportation of persons..... | 77 42 | |
| Hire of teams and auto trucks | 184 87 | |
| Light and power | 62 64 | |
| Premium on surety bond..... | 18 00 | |
| Communication | 73 13 | |
| Motor vehicle repairs and care | 175 26 | |
| Motorless vehicle repairs..... | 128 67 | |
| Medical | 28 00 | |
| Expert | 19 60 | |
| Fees | 16 45 | |
| General plant | 165 96 | |
| Harness, etc., repairs..... | 10 71 | |
| Horseshoeing and clipping.... | 90 68 | |
| | | 1,139 15 |

Equipment:

| | | |
|----------------------------|---------|--------|
| Machinery | \$78 86 | |
| Office | 2 30 | |
| Tools and instruments..... | 165 62 | |
| General plant | 183 47 | |
| | | 430 25 |

Supplies:

| | | |
|------------------------|----------|----------|
| Office | \$201 18 | |
| Food and ice..... | 75 05 | |
| Fuel | 294 76 | |
| Forage and animal..... | 335 14 | |
| Agricultural | 241 70 | |
| Motor vehicle | 273 65 | |
| General plant | 1,358 80 | |
| | | 2,780 28 |

Materials:

| | | |
|---------------------|----------|----------|
| Highway | \$135 19 | |
| Sewer | 4 90 | |
| General plant | 894 47 | |
| | | 1,034 56 |

Special Items:

| | | |
|---------------------------------|--------|-----------|
| Workingmen's compensation | 123 06 | |
| | | 40,289 56 |

CEMETERY GRADING

| | | |
|---------------|------------|----------|
| Grading | \$3,051 38 | |
| | | 3,051 38 |

Amount carried forward..... \$3,672,749 64

PUBLIC MARKET

Amount brought forward..... \$3,672,749 64

Personal Service:

Temporary employees \$1,114 00

Service Other Than Personal:

Printing and binding..... \$7 35
 Advertising and posting..... 149 29
 Transportation of persons.... 49 63
 Light and power..... 23 74
 Rent 36 00
 Motor vehicle repairs and care 162 61
 Fees 4 00

432 62

Supplies:

Motor vehicle \$193 16
 General plant 10 78

203 94

1,750 56

INTEREST AND MATURING DEBT

MUNICIPAL SERIAL LOANS

For loans that have matured as follows:

Sewer construction \$8,000 00
 Sewer separate system..... 3,000 00
 Street 167,850 00
 Cambridge Bridge 2,000 00
 Building 19,500 00
 Park 5,000 00
 Playground 1,300 00
 School 13,000 00
 Hospital 15,500 00
 School teachers' salaries..... 82,237 33
 Municipal 1,000 00
 Departmental equipment 7,000 00
 Care of soldiers..... 70,000 00

Total 395,387 33

INTEREST

For interest on loans in anticipation of taxes. \$56,699 17
 Sounders Temperance Fund..... 750 00
 Daniel White Charity Fund..... 300 00
 Dowse Fund 600 00
 Building Loan 11,528 75
 City Loan 542 50
 Cambridge Bridge 61,809 50
 Harvard Bridge 2,980 00
 Commercial Avenue Bridge..... 2,000 00
 Cambridge Bridge Special..... 945 00
 Hospital Loan 17,740 00
 Metropolitan Park Assessment..... 1,610 00
 Public Library Loan..... 945 00

Amount carried forward..... \$158,449 92 \$4,069,887 53

INTEREST—Concluded

| | | |
|--------------------------------------|--------------|----------------|
| Amount brought forward..... | \$158,449 92 | \$4,069,887 53 |
| Schoolhouse Loan | 34,232 63 | |
| Sewer Loan | 48,121 25 | |
| Cemetery Loan | 280 00 | |
| Park Loan | 62,730 00 | |
| Playground Loan | 5,452 00 | |
| Charles River Basin Improvement..... | 2,400 00 | |
| Street Loan | 76,118 50 | |
| Municipal Loan | 4,312 00 | |
| Departmental Equipment | 1,260 00 | |
| Total | | \$393,356 30 |

DETAIL OF SINKING FUNDS

SINKING FUNDS

BROOKLINE BRIDGE

| | | |
|-------------------------------------|------------|------------|
| Amount of fund, March 31, 1920.... | \$5,548 19 | |
| Interest, 1920 | 210 83 | |
| Appropriation for 1920..... | 281 25 | |
| Amount of fund, March 31, 1921..... | | \$6,040 27 |

CAMBRIDGE BRIDGE

| | | |
|---|--------------|------------|
| Amount of fund, March 31, 1920... | \$363,379 88 | |
| Interest, 1920 | 13,808 38 | |
| Interest on account Boston Ele- vated Railway Company..... | 10,300 00 | |
| Appropriation for 1920..... | 7,750 00 | |
| Amount of fund, March 31, 1921..... | | 395,238 26 |

CAMBRIDGE BRIDGE SPECIAL

| | | |
|-------------------------------------|-------------|-----------|
| Amount of fund, March 31, 1920... | \$12,279 21 | |
| Interest, 1920 | 466 60 | |
| Appropriation for 1920..... | 560 00 | |
| Amount of fund, March 31, 1921..... | | 13,305 81 |

CHARLES RIVER BASIN

| | | |
|-------------------------------------|-------------|-----------|
| Amount of fund, March 31, 1920... | \$50,123 65 | |
| Interest, 1920 | 1,904 68 | |
| Appropriation for 1920..... | 5,100 00 | |
| Amount of fund, March 31, 1921..... | | 57,128 33 |

COMMERCIAL AVENUE BRIDGE

| | | |
|-------------------------------------|-------------|-----------|
| Amount of fund, March 31, 1920... | \$11,096 46 | |
| Interest, 1920 | 421 65 | |
| Appropriation for 1920..... | 562 50 | |
| Amount of fund, March 31, 1921..... | | 12,080 61 |

| | | |
|-----------------------------|--|----------------|
| Amount carried forward..... | | \$4,463,243 83 |
|-----------------------------|--|----------------|

HARVARD BRIDGE

| | | |
|-------------------------------------|--------------|----------------|
| Amount brought forward..... | | \$4,463,243 83 |
| Amount of fund, March 31, 1920... | \$107,981 83 | |
| Interest, 1920 | 4,103 28 | |
| Appropriation for 1920..... | 1,400 00 | |
| | <hr/> | |
| | 113,485 11 | |
| Less bonds, matured..... | 5,000 00 | |
| | <hr/> | |
| Amount of fund, March 31, 1921..... | | 108,485 11 |

HOSPITAL, ACTS OF 1895

| | | |
|-------------------------------------|-------------|-----------|
| Amount of fund, March 31, 1920.... | \$63,481 80 | |
| Interest, 1920 | 2,412 28 | |
| Appropriation for 1920..... | 5,250 00 | |
| | <hr/> | |
| Amount of fund, March 31, 1921..... | | 71,144 08 |

METROPOLITAN PARK ASSESSMENT

| | | |
|-------------------------------------|-------------|-----------|
| Amount of fund, March 31, 1920.... | \$23,705 97 | |
| Interest, 1920 | 900 79 | |
| Appropriation for 1920..... | 920 00 | |
| | <hr/> | |
| Amount of fund, March 31, 1921..... | | 25,526 76 |

PARK

| | | |
|-------------------------------------|--------------|------------|
| Amount of fund, March 31, 1920.... | \$818,789 07 | |
| Interest, 1920 | 31,113 98 | |
| Appropriation for 1920..... | 22,375 00 | |
| | <hr/> | |
| Amount of fund, March 31, 1921..... | | 872,278 05 |

PLAYGROUNDS

| | | |
|-------------------------------------|-------------|-------------|
| Amount of fund, March 31, 1920.... | \$22,860 54 | |
| Interest, 1920 | 868 68 | |
| Appropriation for 1920..... | 1,900 00 | |
| | <hr/> | |
| Amount of fund, March 31, 1921..... | | \$25,629 22 |

IMPROVED SEWERAGE

| | | |
|-------------------------------------|--------------|------------|
| Amount of fund, March 31, 1920.... | \$214,966 58 | |
| Interest, 1920 | 8,168 71 | |
| Appropriation for 1920..... | 7,980 00 | |
| | <hr/> | |
| Amount of fund, March 31, 1921..... | | 231,115 29 |

SEPARATE SYSTEM OF DRAINAGE

| | | |
|-------------------------------------|-------------|-----------|
| Amount of fund, March 31, 1920.... | \$81,184 41 | |
| Interest, 1920 | 3,085 23 | |
| Appropriation for 1920..... | 5,340 00 | |
| | <hr/> | |
| Amount of fund, March 31, 1921..... | | 89,609 64 |

| | | |
|-----------------------------|--|----------------|
| Amount carried forward..... | | \$4,463,243 83 |
|-----------------------------|--|----------------|

BOSTON ELEVATED SHARE, CAMBRIDGE BRIDGE

| | |
|---|----------------|
| Amount brought forward..... | \$4,463,243 83 |
| Amount of fund, March 31, 1920... \$257,500 00 | |
| Earnings each year are deducted from Sinking Fund requirement of Cambridge Bridge Loans.... | |
| Amount of fund, March 31, 1921..... | 257,500 00 |

GENERAL

| | |
|-------------------------------------|------------------------|
| Amount of fund, March 31, 1920.... | \$1 312,534 75 |
| Interest, 1920 | 61,635 19 |
| Appropriation for 1920..... | 112,786 75 |
| Additional contributions, 1920..... | 63,299 07 |
| | <u>\$1, 550.255 76</u> |
| Bonds maturing in 1920..... | 104,800 00 |
| Amount of fund, March 31, 1921..... | 1,445,455 76 |

Received

From City Treasurer appropriation from 1920:

| | |
|---------------------------------|------------|
| Brookline Bridge | \$281 25 |
| Cambridge Bridge | 7,750 00 |
| Cambridge Bridge, Special..... | 560 00 |
| Charles River Basin..... | 5,100 00 |
| Commercial Avenue Bridge..... | 562 50 |
| Harvard Bridge | 1,400 00 |
| Hospital, Acts of 1895..... | 5,250 00 |
| Metropolitan Park Assessment.. | 920 00 |
| Park | 22,375 00 |
| Playgrounds | 1,900 00 |
| Improved Sewerage | 7,980 00 |
| Separate System of Drainage.... | 5,340 00 |
| General | 112,786 75 |

172,205 50

172,205 50

PUBLIC SERVICE ENTERPRISES

WATER DEPARTMENT—MAINTENANCE GENERAL

Expended

Personal Service A

For Salaries of

| | |
|---|------------|
| Superintendent | \$3,500 00 |
| Registrar and Clerk of Water Board | 2,700 00 |
| Inspectors and clerks..... | 24,843 26 |
| Labor, permanent | 49,129 51 |
| Labor, temporary | 59,197 52 |
| Treasurer of Sinking Fund.... | 200 00 |

Amount carried forward..... \$4,635,449 33

Public Service Enterprises—Continued

WATER DEPARTMENT—MAINTENANCE GENERAL—Continued

Amount brought forward..... \$4,635,449 33

| | | |
|---|----------|--------------|
| Service of City Treasurer in collection of water rates, etc. | 1,500 00 | |
| Services of City Solicitor..... | 1,000 00 | |
| | <hr/> | \$142,070 29 |

Service Other Than Personal B

| | | |
|----------------------------------|-----------|-----------|
| Printing and binding..... | \$283 01 | |
| Postage | 772 98 | |
| Advertising and posting..... | 47 04 | |
| Transportation of persons.... | 700 00 | |
| Cartage and freight | 343 78 | |
| Hire of teams and auto trucks | 383 18 | |
| Light and power..... | 254 24 | |
| Rent, taxes, water..... | 2,462 46 | |
| Communication | 581 58 | |
| Motor vehicle repairs and care | 631 45 | |
| Motorless vehicle repairs..... | 203 24 | |
| Medical | 10 00 | |
| Veterinary | 25 50 | |
| Blacksmith | 585 94 | |
| Protective and preventive..... | 283 48 | |
| Extermination of insects..... | 98 20 | |
| Fees, service of venires, etc... | 40 00 | |
| Photographic and blue-printing | 172 49 | |
| General plant | 4,483 35 | |
| Harness, etc., repairs..... | 172 09 | |
| Horseshoeing and clipping.... | 839 76 | |
| Cleaning main pipe..... | 10,000 00 | |
| | <hr/> | 23,427 57 |

Equipment:

| | | |
|----------------------------|------------|-----------|
| Machinery | \$2,262 23 | |
| Electrical | 5,000 00 | |
| Motor vehicles | 2,811 52 | |
| Motorless vehicles | 53 90 | |
| Tools and instruments..... | 2,196 48 | |
| Wearing apparel | 19 27 | |
| General plant | 714 39 | |
| Chlorinator | 981 87 | |
| | <hr/> | 14,039 66 |

Supplies:

| | | |
|--------------------------------|------------|-----------|
| Office | \$1,721 66 | |
| Food and ice..... | 1,062 69 | |
| Fuel | 383 66 | |
| Forage and animals..... | 1,348 69 | |
| Laundry, cleaning, toilet..... | 15 84 | |
| Motor vehicle | 4,931 27 | |
| Chemicals and disinfectants.. | 157 40 | |
| General plant | 4,472 48 | |
| | <hr/> | 14,093 69 |

Amount carried forward..... \$4,635,449 33

Public Service Enterprises—Continued

WATER DEPARTMENT—MAINTENANCE GENERAL—Concluded

Amount brought forward..... \$4,635,449 33

Materials:

| | | |
|----------------|-----------|------------------|
| Building | \$145 07 | |
| Water | 39,988 48 | |
| | | <u>40,133 55</u> |

Special Items:

| | | |
|------------------------------|-----------|------------------|
| Damages | \$458 80 | |
| Serial loans | 20,500 00 | |
| Interest | 40,536 25 | |
| Pensions | 2,942 16 | |
| Workingmen's compensation .. | 126 00 | |
| Refunds | 833 25 | |
| | | <u>65,396 46</u> |

Incidental Expenditures:

| | | |
|--------------------------|--------|---------------|
| Inspection of plant..... | 633 58 | |
| | | <u>633 58</u> |

Total Water Dept., Maintenance General \$299,794 80

WATER MAINTENANCE—RESERVOIRS

Personal Service:

| | | |
|---------------------------|-------------|------------------|
| For labor—permanent | \$15,419 91 | |
| For labor—temporary | 11,856 61 | |
| Unassigned | 600 00 | |
| | | <u>27,876 52</u> |

Service Other Than Personal:

| | | |
|---|----------|-----------------|
| Postage | 1 40 | |
| Advertising and posting..... | 37 72 | |
| Cartage and freight | 77 | |
| Hire of teams and auto trucks | 4 90 | |
| Lighting streets, alleys and parks | 12 00 | |
| Rent, taxes, water..... | 273 60 | |
| Communication | 126 01 | |
| Motorless vehicle repairs..... | 20 58 | |
| Cleaning | 2,549 13 | |
| Blacksmith | 6 37 | |
| General plant | 2,560 05 | |
| Harness, etc., repairs..... | 13 23 | |
| Horseshoeing and clipping.... | 148 47 | |
| | | <u>5,754 23</u> |

Equipment:

| | | |
|----------------------------|--------|---------------|
| Motorless vehicles | 196 00 | |
| Tools and instruments..... | 56 22 | |
| Live stock | 200 00 | |
| General plant | 2 16 | |
| | | <u>454 38</u> |

Supplies:

| | | |
|--------------------------|---------|-----------------|
| Fuel | \$71 50 | |
| Forage and animals | 408 58 | |
| General plant | 930 23 | |
| | | <u>1,410 31</u> |

Total Water Maintenance, Reservoirs.. \$35,495 44

Amount carried forward..... \$4,970,739 57

Public Service Enterprises—Concluded

WATER DEPARTMENT—PUMPING

Amount brought forward..... \$4,970,739 57

Personal Service:

| | | |
|---------------------------|-------------|-----------|
| For labor—permanent | \$17,937 20 | |
| For labor—temporary | 3,115 76 | |
| | <hr/> | 21,052 96 |

Service Other Than Personal:

| | | |
|---|----------|----------|
| Postage | \$4 20 | |
| Cartage and freight | 42 25 | |
| Lighting streets, alleys and parks | 150 47 | |
| Communication | 73 48 | |
| Protective and preventive.... | 8 82 | |
| Boiler inspection | 10 00 | |
| General plant | 1,292 83 | |
| | <hr/> | 1,582 05 |

Equipment:

| | | |
|----------------------------|----------|--------|
| Tools and instruments..... | \$300 83 | |
| Wearng apparel | 31 90 | |
| General plant | 395 72 | |
| | <hr/> | 728 45 |

Supplies:

| | | |
|--------------------------------|-----------|-----------|
| Office | \$9 16 | |
| Food and ice..... | 62 96 | |
| Fuel | 33,659 56 | |
| Laundry, cleaning, toilet..... | 31 85 | |
| General plant | 2,260 16 | |
| | <hr/> | 36,023 69 |

59,387 15

WATER DEPARTMENT—REPAIRS TO PAYSON PARK RESERVOIRS

Personal Service:

| | | |
|-----------------------|----------|--------|
| Labor—permanent | \$298 23 | |
| Labor—temporary | 361 11 | |
| | <hr/> | 659 34 |

Service Other Than Personal:

| | | |
|-------------------------------|---------|-------|
| Transportation of persons.... | \$17 64 | |
| Expert and architect..... | 10 29 | |
| Food and lunches..... | 50 45 | |
| | <hr/> | 68 38 |

Supplies:

| | | |
|---------------------|-------|------|
| General plant | 7 18 | |
| | <hr/> | 7 18 |

Incidental Expenditures:

| | | |
|--------------------------|----------|--------|
| Inspection of plant..... | \$500 50 | |
| | <hr/> | 500 50 |

| | | |
|--|-------|------------|
| Total Water Department, repairs Pay- son Park Reservoirs..... | <hr/> | \$1,235 40 |
|--|-------|------------|

| | | |
|-----------------------------|--|----------------------|
| Total Revenue Accounts..... | | <hr/> \$5,030,362 12 |
|-----------------------------|--|----------------------|

GENERAL GOVERNMENT

SEWER DEPARTMENT, CONSTRUCTION GENERAL

Personal Service:

| | |
|-----------------|-------------|
| Employees | \$59,537 52 |
|-----------------|-------------|

Service Other Than Personal, Material, Etc.:

| | |
|-------------------------------|-----------|
| Advertising | \$9 95 |
| Automobile hire | 20 00 |
| Bricks | 781 65 |
| Cement | 1,708 35 |
| Express | 1 48 |
| Frames, grates and covers.... | 1,424 54 |
| Fuel | 29 40 |
| Hose | 125 69 |
| Lumber | 2,115 72 |
| Medical attendance | 62 35 |
| Oils, gasoline, etc..... | 231 49 |
| Pipes and fittings..... | 4,619 37 |
| Repairs to pavements.. | \$229 83 |
| Repairs to track..... | 180 39 |
| | <hr/> |
| | 410 22 |
| Rubber boots | 268 84 |
| Sand and gravel..... | 1,973 59 |
| Sharpening tools | 132 31 |
| Steel rods | 139 86 |
| Stone | 388 21 |
| Teaming | 189 50 |
| Tools and misc. supplies.... | 1,048 22 |
| Traps | 405 72 |
| | <hr/> |
| | 16,086 46 |

| | |
|-------------|-------------|
| Total | \$75,623 98 |
|-------------|-------------|

DEPARTMENTAL EQUIPMENT

Police Department:

| | |
|---------------------------------------|------------|
| Combination patrol and ampulance..... | \$4,575 03 |
|---------------------------------------|------------|

Fire Department:

| | |
|-------------------------------|------------|
| Chemical engine | \$9,475 00 |
| Combination chemical and hose | |
| motor car | 8,575 00 |
| Motor service truck..... | 8,950 00 |
| Roadster | 1,760 00 |
| | <hr/> |
| | 28,760 00 |

Sewer Department:

| | |
|-------------|----------|
| Truck | 3,815 00 |
|-------------|----------|

Street Department:

| | |
|--------------------|----------|
| Paving mixer | 5,380 20 |
|--------------------|----------|

| | |
|-------------|-----------|
| Total | 42,530 23 |
|-------------|-----------|

| | |
|-----------------------------|--------------|
| Amount carried forward..... | \$118,154 21 |
|-----------------------------|--------------|

HIGHWAYS AND BRIDGES

AUBURN STREET

Amount brought forward..... \$118,154 21

Personal Service:

Employees \$657 86

Service Other Than Personal, Material, Etc.:

Cement \$489 06
 Cutting Blocks 220 50
 Gravel 108 67
 Lighting 56 25
 Stone 17 25
 Teaming 150 00
 Tools and misc. supplies..... 88 91
 Use of mixer..... 112 70

1,243 34

Total \$1,901 20

AUSTIN STREET

Personal Service:

Employees \$2,834 32

Service Other Than Personal, Material, Etc.:

Bitulithic \$14,473 15
 Fuel 100 30
 Hardware and tools..... 56 50
 Lighting 114 66
 Teaming 432 00

15,176 61

18,010 93

BAY STREET

Personal Service:

Employees \$108 00

Service Other Than Personal, Material, Etc.:

Fuel \$45 50
 Stone 556 74
 Tar 306 09
 Teaming 45 00

953 33

1,061 33

BIRD STREET

Personal Service:

Employees \$110 50

Service Other Than Personal, Material, Etc.:

Fuel \$54 33
 Stone 554 25
 Tar 466 48
 Teaming 24 00

1,099 06

1,209 56

Amount carried forward..... \$140,337 23

Highways and Bridges—Continued

BRATTLE STREET

Amount brought forward..... \$140,337 23

Personal Service:

Employees \$10,414 23

Service Other Than Personal, Material, Etc.:

| | | |
|---------------------------|-------------|------------------|
| Bitulithic | \$30,379 97 | |
| Express and freight..... | 29 85 | |
| Fuel | 232 60 | |
| Hardware, tools, etc..... | 361 28 | |
| Lighting | 132 96 | |
| Sand and gravel..... | 62 52 | |
| Teaming | 2,850 00 | |
| | | <u>34,049 18</u> |

Total 44,463 41

BURLEIGH STREET

Personal Service:

Employees \$2,410 08

Service Other Than Personal, Material, Etc.:

| | | |
|-------------------------|----------|-----------------|
| Cement | \$374 55 | |
| Cutting Blocks | 494 90 | |
| Fuel | 33 11 | |
| Gravel | 279 45 | |
| Hardware and tools..... | 100 70 | |
| Teaming | 174 00 | |
| | | <u>1,456 71</u> |

Total 3,866 79

FAYERWEATHER STREET

Personal Service:

Employees \$916 56

Service Other Than Personal, Materi

| | | |
|----------------------|----------|-----------------|
| Bricks | \$79 38 | |
| Fuel | 53 38 | |
| Sewer material | 108 12 | |
| Stone | 1,824 92 | |
| Tarvia | 1,097 75 | |
| Teaming | 108 00 | |
| | | <u>3,271 55</u> |

Total 4,188 11

FAYETTE STREET

Personal Service:

Employees \$374 97

Amount carried forward..... \$374 97 \$192,855 54

Highways and Bridges—Continued

FAYETTE STREET—Concluded

| | | |
|--|----------|--------------|
| Amount brought forward..... | \$374 97 | \$192,855 54 |
| Service Other Than Personal, Material, Etc. | | |
| Fuel | \$35 70 | |
| Fuel | 1,861 21 | |
| Stone | 1,713 56 | |
| Teaming | 162 00 | |
| | <hr/> | |
| | 3,772 47 | |
| Total | | 4,147 44 |

FIFTH STREET

| | | |
|---|------------|----------|
| Personal Service: | | |
| Employees | \$492 45 | |
| Service Other Than Personal, Material, Etc.: | | |
| Asphalt and binder..... | \$1,152 48 | |
| Fuel | 47 92 | |
| Fuel | 1,395 70 | |
| Teaming | 90 00 | |
| | <hr/> | |
| | 2,686 10 | |
| Total | | 3,178 55 |

FIRST STREET

| | | |
|---|-----------|-----------|
| Personal Service: | | |
| Employees | 25,904 99 | |
| Service Other Than Personal, Material, Etc.: | | |
| Bricks | \$39 69 | |
| Cement | 4,148 38 | |
| Cutting Blocks | 5,554 75 | |
| Fuel | 42 55 | |
| Freight | 122 32 | |
| Gravel and sand..... | 3,490 94 | |
| Hardware, tools, etc..... | 615 13 | |
| Inspection of boilers..... | 5 00 | |
| Lighting | 329 87 | |
| Lumber | 81 18 | |
| Rent of Mixer..... | 480 20 | |
| Repairs to machinery..... | 225 08 | |
| Stone | 1,315 41 | |
| Teaming | 2,970 00 | |
| | <hr/> | |
| | 19,419 90 | |
| Total | | 45,324 89 |

FLAGG STREET

| | | |
|-----------------------------|----------|--------------|
| Personal Service: | | |
| Employees | \$389 52 | |
| Amount carried forward..... | \$389 52 | \$245,506 42 |

Highways and Bridges—Continued

FLAGG STREET—Concluded

| | | |
|-----------------------------|----------|--------------|
| Amount brought forward..... | \$389 52 | \$245,506 42 |
|-----------------------------|----------|--------------|

Service Other Than Personal, Material, Etc.:

| | |
|---------------|----------|
| Fuel | \$65 50 |
| Stone | 1,403 91 |
| Tar | 812 17 |
| Teaming | 147 00 |

2,428 58

| | | |
|-------------|-------|----------|
| Total | <hr/> | 2,818 10 |
|-------------|-------|----------|

GARFIELD STREET

Personal Service:

| | |
|-----------------|----------|
| Employees | \$438 43 |
|-----------------|----------|

Service Other Than Personal, Material, Etc.:

| | |
|---------------|----------|
| Fuel | \$74 15 |
| Stone | 2,235 81 |
| Tar | 1,248 52 |
| Teaming | 150 00 |

3,708 48

| | | |
|-------------|-------|----------|
| Total | <hr/> | 4,146 91 |
|-------------|-------|----------|

GORE STREET

Personal Service:

| | |
|-----------------|----------|
| Employees | \$728 43 |
|-----------------|----------|

Service Other Than Personal, Material, Etc.:

| | |
|---------------------------|------------|
| Bitulithic | \$7,164 35 |
| Cement | 1,174 58 |
| Hardware, tools, etc..... | 53 16 |
| Lighting | 54 24 |
| Rent of mixer..... | 68 60 |
| Teaming | 150 00 |

8,664 93

| | | |
|-------------|-------|----------|
| Total | <hr/> | 9,393 36 |
|-------------|-------|----------|

GRANVILLE ROAD

Personal Service:

| | |
|-----------------|----------|
| Employees | \$648 13 |
|-----------------|----------|

Service Other Than Personal, Material, Etc.:

| | |
|---------------|---------|
| Fuel | \$30 35 |
| Stone | 861 42 |
| Teaming | 75 00 |

966 77

| | | |
|-------------|-------|----------|
| Total | <hr/> | 1,614 90 |
|-------------|-------|----------|

| | | |
|-----------------------------|-------|--------------|
| Amount carried forward..... | <hr/> | \$263,479 69 |
|-----------------------------|-------|--------------|

Highways and Bridges—Continued

HAMILTON STREET

Amount brought forward..... \$263,479 69

Personal Service:

Employees \$138 01

Service Other Than Personal, Material, Etc.:

Stone \$739 49
 Tar 658 95
 Teaming 51 00
 1,449 44

Total 1,587 45

HARDING STREET

Personal Service:

Employees \$191 85

Service Other Than Personal, Material, Etc.:

Fuel \$106 26
 Sand 55 23
 Stone 1,519 77
 Tar 659 54
 Teaming 51 00
 2,391 80

Total 2,583 65

HAWTHORNE STREET .

Personal Service:

Employees \$233 00

Service Other Than Personal, Material, Etc.:

Fuel \$47 47
 Stone 920 47
 Tarvia 697 75
 Teaming 45 00
 1,710 69

Total 1,943 69

HAYWARD STREET

Personal Service:

Employees \$274 06

Service Other Than Personal, Material, Etc.:

Fuel \$84 47
 Sand 38 87
 Stone 1,431 44
 Tarvia 319 90
 Teaming 45 00
 1,919 68

Total 2,193 74

Amount carried forward..... \$271,788 22

Highways and Bridges—Continued

LARCH ROAD

Amount brought forward..... \$271,788 22

Personal Service:

Employees \$128 00

Service Other Than Personal, Material, Etc.:

Fuel \$79 86

Stone 1,073 81

Tar 672 28

Teaming 51 00

1,876 95

Total 2,004 95

LECHEMERE STREET

Personal Service:

Employees \$856 09

Service Other Than Personal, Material, Etc.:

Fuel \$20 60

Stone 412 71

Tar 255 19

Teaming 150 00

838 50

Total 1,694 59

LEE STREET

Personal Service:

Employees \$298 56

Service Other Than Personal, Material, Etc.:

Asphalt \$905 52

Fuel 49 44

Stone 960 12

Teaming 90 00

2,005 08

Total 2,303 64

MARKET STREET

Personal Service:

Employees \$607 74

Service Other Than Personal, Material, Etc.:

Fuel \$149 89

Stone 2,403 53

Tar 1,646 40

Teaming 150 00

4,349 82

Total 4,957 56

Amount carried forward..... \$282,748 96

Highways and Bridges—Continued

NORUMBEGA STREET

Amount brought forward..... \$282,748 96

Personal Service:

Employees \$88 25

Service Other Than Personal, Material, Etc.:

Fuel \$97 14

Stone 519 21

Tar 388 41

Teaming 24 00

1,028 76

Total 1,117 01

PEARL STREET

Personal Service:

Employees \$361 55

Service Other Than Personal, Material, Etc.:

Fuel \$50 26

Stone 1,157 30

Tar 1,386 24

Teaming 75 00

2,668 80

Total 3,030 35

PEMBERTON STREET

Personal Service:

Employees \$1,166 88

Service Other Than Personal, Material, Etc.:

Fuel \$20 60

Stone 3,588 22

Tar 2,563 19

Teaming 300 00

6,472 01

Total 7,638 89

POTTER STREET

Personal Service:

Employees \$652 76

Service Other Than Personal, Material, Etc.:

Bitulithic \$5,670 15

Lighting 27 13

Hardware, tools, etc..... 53 41

Stone 592 65

Teaming 147 00

6,490 34

Total 7,143 10

Amount carried forward..... \$301,678 31

Highways and Bridges—Continued

REGENT STREET

Amount brought forward..... \$301,678 31

Personal Service:

Employees \$334 56

Service Other Than Personal, Material, Etc.:

Stone \$1,220 83

Tar 421 55

Teaming 54 00

1,696 38

Total 2,030 94

RINDGE AVENUE

Personal Service:

Employees \$4,735 31

Service Other Than Personal, Material, Etc.:

Bitulithic \$14,003 87

Building catch basin..... 37 20

Fuel 72 88

Hardware, tools, etc..... 164 64

Lighting 208 39

Steam roller repairs..... 39 08

Teaming 1,506 00

16,032 06

Total 20,767 37

TROWBRIDGE STREET

Personal Service:

Employees \$563 59

Service Other Than Personal, Material, Etc.:

Fuel \$66 20

Stone 1,254 90

Tar 439 04

Teaming 225 00

1,985 14

Total 2,548 73

TUDOR STREET

Personal Service:

Employees \$282 23

Service Other Than Personal, Material, Etc.:

Fuel \$68 63

Stone 693 47

Tar 776 55

Teaming 90 00

1,628 65

Total 1,910 88

Amount carried forward..... \$328,936 23

Highways and Bridges—Continued

UNION STREET

Amount brought forward..... \$328,936 23

Personal Service:

Employees \$105 75

Service Other Than Personal, Material, Etc.:

Fuel \$24 60

Stone 353 24

Tar 384 16

Teaming 24 00

786 00

Total 891 75

WADSWORTH STREET

Personal Service:

Employees \$522 36

Service Other Than Personal, Material, Etc.:

Fuel \$46 63

Sand 71 60

Stone 1,033 47

Tar 577 22

Teaming 54 00

1,782 92

Total 2,305 28

THIRD, SIXTH AND COMMERCIAL AVENUE BRIDGES

Repairs \$548 35

Total 548 35

BROOKLINE STREET BRIDGE

Contract work \$4,416 83

Total 4,416 83

EDGESTONES AND SIDEWALKS

Personal Service:

Employees \$19,586 76

Service Other Than Personal, Material, Etc.:

Allowance on granolithic walks \$905 37

Bricks 4,384 14

Edgestone 7,741 15

Gravel and sand..... 1,358 96

Hardware, tools, etc..... 134 95

Lighting 290 43

Paving blocks 1,960 00

Teaming 1,989 00

18,764 00

Total 38,350 76

Amount carried forward..... \$375,449 20

Highways and Bridges—Concluded

SEAL COATING FOR SUNDRY STREETS

| | | |
|---|----------|--------------|
| Amount brought forward..... | | \$375,449 20 |
| Service Other Than Personal, Material, Etc.: | | |
| Grates | \$33 56 | |
| Sand | 223 15 | |
| Stone | 662 09 | |
| Tar | 2,321 64 | |
| | <hr/> | |
| Total | | 9,240 44 |

CHARITIES

MUNICIPAL HOSPITAL

| | | |
|----------------------------|-----------|-----------|
| Advertising | \$62 36 | |
| Building contract | 44,562 95 | |
| Services of architect..... | 6,692 14 | |
| Services of engineer..... | 622 48 | |
| | <hr/> | |
| Total | | 51,939 93 |

UNCLASSIFIED

LAND FOR PLAYGROUNDS

| | | |
|--------------------------|---------|-------|
| Service of attorney..... | \$35 00 | |
| | <hr/> | |
| Total | | 35 00 |

PUBLIC SERVICE ENTERPRISES

DETECTOR METERS

| | | |
|--------------|------------|----------|
| Meters | \$2,743 50 | |
| | <hr/> | |
| Total | | 2,743 50 |

FILTRATION PLANT

| | | |
|------------------------|----------|----------|
| Advertising | \$45 27 | |
| Service of expert..... | 2,500 00 | |
| | <hr/> | |
| Total | | 2,545 27 |

| | | |
|---|-------|--------------|
| Total, Special Fund and Loan Accounts.... | <hr/> | \$441,953 34 |
|---|-------|--------------|

REFUNDS ON TAXES

| | | |
|-----------------------------|------------|------------|
| 1920 | \$4,338 17 | |
| 1919 | 332 57 | |
| 1918 | 129 00 | |
| 1917 | 90 95 | |
| 1916 | 173 90 | |
| | <hr/> | |
| | | \$5,064 59 |
| Amount carried forward..... | | \$5,064 59 |

REFUND OF STREET SPRINKLING ASSESSMENTS

| | |
|-----------------------------|------------|
| Amount brought forward..... | \$5,064 59 |
| 1916 | 1 40 |

REFUND OF SIDEWALK ASSESSMENTS

| | |
|----------------------|--------|
| Sundry persons | 108 25 |
|----------------------|--------|

REFUND MISCELLANEOUS

| | | |
|-------------------------------|----------|--------|
| Interest | \$100 09 | |
| Costs | 34 00 | |
| Corporation tax to State..... | 116 79 | |
| | <hr/> | 250 88 |

REFUND ON MINOR LICENSES

| | |
|-------------------------|----|
| Police Department | 60 |
|-------------------------|----|

REFUND ON DEPARTMENT BILLS

| | |
|--------------------------------------|--------|
| Refund on Park Department bills..... | 125 00 |
|--------------------------------------|--------|

TAX LIEN ACCOUNT

| | |
|----------------------------------|-----------|
| To return to sundry persons..... | 24,058 19 |
|----------------------------------|-----------|

PREMIUM ACCOUNTS

| | |
|--|--------|
| Amount paid for certifying and preparing bonds | 950 00 |
|--|--------|

TRUSTEES OF CEMETERY FUND AND DEEDS IN TRUST

| | |
|---|----------|
| Paid to Treasurer, payment of cemetery funds. | 6,018 45 |
|---|----------|

MATURED FUNDED WATER LOANS

| | |
|--|-----------|
| Amount paid for water loans maturing 1920-1921 | 30,000 00 |
|--|-----------|

MATURED FUNDED CITY LOANS

| | | |
|--|-------------|-----------|
| Loans, City | \$8,000 00 | |
| Loans, Street | 86,800 00 | |
| Loans, Harvard Bridge..... | 5,000 00 | |
| | <hr/> | 99,800 00 |
| Note—Street Bond No. 1308, due November 1, 1920, not presented for payment, held in trust, amounting to..... | \$10,000 00 | |

TEMPORARY LOANS, TAXES, 1920

| | |
|-----------------------|----------------|
| Temporary Loans | \$2,567,762 67 |
|-----------------------|----------------|

STATE, COUNTY AND METROPOLITAN TAXES, AND SOLDIERS' EXEMPTION

| | | |
|-------------------------------|--------------|----------------|
| State Tax | \$402 920 00 | |
| State Tax, "Service Men"..... | 18,994 80 | |
| | <hr/> | |
| Amount carried forward..... | \$421,914 80 | \$2,734,140 03 |

STATE, COUNTY AND METROPOLITAN TAXES, AND SOLDIERS'
EXEMPTION—Concluded

| | | |
|------------------------------------|--------------|-------------------|
| Amount brought forward..... | \$421,914 80 | \$2,734,140 03 |
| State Tax, "Civilian War Tax"..... | 108,090 00 | |
| National Bank Tax..... | 5,380 46 | |
| Charles River Basin Tax..... | 16,471 96 | |
| Metropolitan Park Tax..... | 88,138 58 | |
| Metropolitan Sewer Tax..... | 136,545 79 | |
| Alewife Brook Tax..... | 4,467 58 | |
| Abatement of Smoke Tax..... | 657 98 | |
| Auditing Accounts | 2,399 83 | |
| Fire Prevention Tax..... | 1,770 44 | |
| Soldiers' Exemption Tax..... | 625 54 | |
| Charles River Bridge Tax..... | 25,051 96 | |
| County Tax | 176,542 21 | |
| | | <u>988,057 13</u> |

SMITH-HUGHES FUND

| | |
|--|--------|
| Amount paid by Commonwealth of Massachusetts | 583 36 |
|--|--------|

DOWSE INSTITUTE FUND

| | |
|--|--------|
| From Treasurer of Dowse Institute Fund to pay bills during his absence from the city..... | 123 50 |
|--|--------|

LAND ON HAYES STREET

| | |
|---|-----------------------|
| Purchase of land on Hayes Street, adjoining the Houghton School. By vote of City Council the amount necessary for this purchase was transferred from the \$25,400.00 received from the sale of land on Blackstone Street in May, 1920 | 1,400.00 |
| | <u>\$3,724,304.02</u> |

NOTE—A. Payments for Sundry Departmental Refunds:

| | |
|--|----------|
| Sewer Construction | \$2 85 |
| High School Annex..... | 15 00 |
| Treasury Department | 396 00 |
| Auditor's Department | 10 00 |
| City Council | 500 00 |
| Police | 117 87 |
| Inspection of animals..... | 20 63 |
| Sewer Department, Maintenance.. | 37 20 |
| Street Department, Maintenance.. | 685 06 |
| Street Department, Maintenance Stable | 6 38 |
| City Clerk's Department..... | 20 00 |
| City Home | 3 01 |
| Outside Aid, Mothers' Aid | 1,000 46 |
| Outside Aid, Cash Aid..... | 1,811 00 |
| Soldiers' Benefits | 510 50 |
| Municipal Hospital | 105 25 |
| Interest | 227 50 |
| Water Department, Pumping Main- tenance | 31 53 |

| | |
|-------------------------------------|-------------------|
| | <u>\$5,500 24</u> |
| B. City Clerk's Agency Account..... | 66 80 |
| | <u>\$5,566 04</u> |

Statement Showing Auditor's and Treasurer's Expenditures and Balances for Year, April 1, 1920, to March 31, 1921

| Accounts | Balances | Receipts | Appropriations and Additions | Transfer to | Transfer from | Total Appropriations | Total Expenditures | Balances |
|--------------------------------------|----------|----------|------------------------------|-------------|---------------|----------------------|--------------------|----------|
| City Council | | | \$7,500 00 | \$17 00 | | \$7,517 00 | \$7,517 00 | |
| B, C, D, | | | 9,500 00 | 8,640 00 | | 18,140 28 | 18,140 28 | |
| Clerk of Committees' Dept. | | | 5,770 00 | | | 5,770 00 | 5,770 00 | |
| A | | | 175 00 | 95 36 | | 270 36 | 270 36 | |
| B | | | 75 00 | 39 34 | | 114 34 | 114 34 | |
| D | | | 10,204 00 | 460 50 | | 10,664 50 | 10,664 50 | |
| Executive Department | | | 1,060 00 | 152 42 | | 1,212 42 | 1,212 42 | |
| A | | | 1,500 00 | 271 50 | | 1,771 50 | 1,771 50 | |
| B | | | 800 00 | 364 16 | | 1,164 16 | 1,164 16 | |
| C | | | 1,000 00 | | | 278 81 | 278 81 | |
| D | | | 8,718 00 | | \$721 19 | 8,498 43 | 8,498 43 | |
| Auditing Department | | | 410 00 | 191 03 | 219 57 | 601 03 | 601 03 | |
| A | | | 2,050 00 | 101 26 | | 101 26 | 101 26 | |
| B | | | | 1,409 49 | | 3,459 49 | 3,459 49 | |
| C | | | | 1,755 16 | | 1,755 16 | 1,755 16 | |
| D | | | 20,495 00 | 1,181 15 | | 21,676 15 | 21,676 15 | |
| Auditing, Special | | | 6,959 00 | 525 64 | | 7,484 64 | 7,484 64 | |
| Treasurer and Collector's Dept. | | | 125 00 | | 125 00 | | | |
| A | | | 1,550 00 | 690 72 | | 2,240 72 | 2,240 72 | |
| B | | | 500 00 | | 10 00 | 500 00 | 500 00 | |
| C | | | 50 00 | | | 40 00 | 40 00 | |
| D | | | 19,674 00 | 1,338 80 | | 21,012 80 | 21,012 80 | |
| Administration Sinking Funds | | | 700 00 | 459 02 | | 1,159 02 | 1,159 02 | |
| A | | | 150 00 | | 150 00 | | | |
| B | | | 450 00 | 678 72 | | 1,128 72 | 1,128 72 | |
| C | | | 500 00 | 199 50 | | 699 50 | 699 50 | |
| D | | | 1,850 00 | 206 74 | | 2,056 74 | 2,056 74 | |
| Listing Board | | | 125 00 | 165 01 | | 290 01 | 290 01 | |
| A | | | 3,378 00 | | | 3,378 00 | 3,378 00 | |
| B | | | 81 00 | 47 54 | | 128 54 | 128 54 | |
| C | | | 630 00 | | 60 | 629 40 | 629 40 | |
| D | | | 11,772 00 | 741 84 | 455 03 | 11,316 97 | 11,316 97 | |
| License Commission | | | 1,342 00 | 21 52 | | 2,083 84 | 2,083 84 | |
| A | | | 100 00 | 492 48 | | 121 52 | 121 52 | |
| B | | | 550 00 | 16 43 | | 1,042 48 | 1,042 48 | |
| C | | | 1,500 00 | | | 1,516 43 | 1,516 43 | |
| D | | | | | | | | |
| City Clerk's Department | | | 2,980 00 | | 15 00 | 2,965 00 | 2,965 00 | |
| A | | | 278 00 | 109 67 | | 387 67 | 387 67 | |
| B | | | 100 00 | | 6 82 | 93 18 | 93 18 | |
| C | | | 4,940 00 | | 44 00 | 4,896 00 | 4,896 00 | |
| D | | | 2,715 00 | 759 68 | | 3,474 68 | 3,474 68 | |
| Inspection of Junk Shops and Garages | | | 200 00 | 211 04 | | 411 04 | 411 04 | |
| City Messenger's | | | | | | | | |
| A | | | | | | | | |
| B | | | | | | | | |
| C | | | | | | | | |
| D | | | | | | | | |
| Law Department | | | | | | | | |
| A | | | | | | | | |
| B | | | | | | | | |
| C | | | | | | | | |
| D | | | | | | | | |
| Carried Forward | | | \$132,456 00 | \$21,343 00 | \$1,747 21 | \$152,051 79 | \$152,051 79 | |

Statement Showing Auditor's and Treasurer's Expenditures and Balances for Year, April 1, 1920, to March 31, 1921

| Accounts | Balances | Receipts | Appropriations and Additions | Transfer to | Transfer from | Total Appropriations | Total Expenditures | Balances |
|---------------------------------|----------|----------|------------------------------|-------------|---------------|----------------------|--------------------|----------|
| Amounts Forward | | | \$132,456 00 | 21,343 00 | 1,747 21 | \$152,051 79 | \$152,051 79 | |
| Elec. Exp. City Clerk's Dept. | | | 8,500 00 | 1,522 64 | | 10,022 63 | 10,022 63 | |
| | | | 1,815 00 | 921 52 | | 2,736 52 | 2,736 52 | |
| | | | 100 00 | | 100 00 | | | |
| Elections, Registrars of Voters | | | 975 00 | 1,391 20 | | 2,366 20 | 2,366 20 | |
| | | | 4,625 00 | 1,532 88 | | 6,157 88 | 6,157 88 | |
| | | | 1,910 00 | 1,406 88 | | 3,316 88 | 3,316 88 | |
| | | | | 195 51 | | 195 51 | 195 51 | |
| | | | 156 00 | 65 40 | | 221 40 | 221 40 | |
| Elections, Polling Places | | | 1,000 00 | | 257 00 | 743 00 | 743 00 | |
| | | | 2,500 00 | 3,182 25 | | 5,682 25 | 5,682 25 | |
| | | | 100 00 | 280 56 | | 380 56 | 380 56 | |
| Engineering Department | | | 13,185 00 | | 777 01 | 12,407 99 | 12,407 99 | |
| | | | 490 00 | 190 98 | | 680 98 | 680 98 | |
| | | | 125 00 | 236 49 | | 361 49 | 361 49 | |
| Assessors' Plans | | | 200 00 | | | 200 00 | 200 00 | |
| Inspection of Buildings | | | 13,556 00 | 383 07 | 2,630 61 | 10,925 39 | 10,925 39 | |
| | | | 619 00 | 148 03 | | 1,002 07 | 1,002 07 | |
| | | | 810 00 | 766 85 | | 958 03 | 958 03 | |
| | | | | | | 766 85 | 766 85 | |
| | | | | | | 400 00 | 400 00 | |
| Civil Serv. Labor Registration | | | 400 00 | | | | | |
| | | | 25 00 | | 25 00 | | | |
| Municipal Buildings | | | 19,253 00 | 568 40 | | 19,821 40 | 19,821 40 | |
| | | | 4,550 00 | 2,394 37 | | 6,944 37 | 6,944 37 | |
| | | | 3,000 00 | | 170 09 | 2,829 91 | 2,829 91 | |
| | | | 6,125 00 | 2,743 13 | | 8,868 13 | 8,868 13 | |
| Police Department | | | 351,508 00 | | 6,783 04 | 344,724 96 | 344,724 96 | |
| | | | 2,805 00 | 1,740 73 | | 4,545 73 | 4,545 73 | |
| | | | 1,250 00 | 2,197 24 | | 3,447 24 | 3,447 24 | |
| | | | 1,975 00 | 1,850 15 | | 3,825 15 | 3,825 15 | |
| Fire Department | | | 299,341 00 | | 2,359 19 | 296,982 54 | 296,982 54 | |
| | | | 4,060 00 | 3,064 85 | | 7,124 85 | 7,124 85 | |
| | | | 200 00 | 277 19 | | 477 19 | 477 19 | |
| Electrical Department | | | 13,450 00 | 9,988 56 | | 23,438 56 | 23,438 56 | |
| | | | 30,450 00 | 1,587 12 | | 31,606 61 | 31,606 61 | |
| | | | 676 00 | 397 55 | | 1,073 55 | 1,073 55 | |
| | | | 1,875 00 | | 333 78 | 1,541 22 | 1,541 22 | |
| | | | 2,960 00 | 716 88 | | 3,676 88 | 3,676 88 | |
| Sealer of Weights and Meas. | | | 7,350 00 | 227 69 | | 7,577 69 | 7,577 69 | |
| | | | 486 00 | | 43 21 | 442 79 | 442 79 | |
| | | | 100 00 | | 1 88 | 98 12 | 98 12 | |
| | | | 375 00 | 332 91 | | 707 91 | 707 91 | |
| Carried Forward | | | \$934,906 22 | \$61,654 02 | \$15,228 02 | \$981,332 22 | \$981,332 22 | |

Statement Showing Auditor's and Treasurer's Expenditures and Balances for Year, April 1, 1920, to March 31, 1921

| Accounts | Balances | Receipts | Appropriations and Additions | Transfer to | Transfer from | Total Appropriations | Total Expenditures | Balances |
|----------------------------------|----------|----------|------------------------------|--------------|---------------|----------------------|--------------------|----------|
| Amounts Forward | | | \$934,906 22 | \$61,654 00 | \$15,228 02 | \$981,332 22 | \$981,332 22 | |
| Park Forestry | | | 11,950 00 | | 92 46 | 11,857 54 | 11,857 54 | |
| | | | 205 00 | 273 49 | | 478 49 | 478 49 | |
| | | | 100 00 | | 100 00 | | | |
| Game Warden | | | 1,250 00 | 90 22 | | 1,340 22 | 1,340 22 | |
| Health—General | | | 50 00 | | | 50 00 | 50 00 | |
| | | | 46,301 00 | | 4,306 31 | 41,994 69 | 41,994 69 | |
| | | | 11,103 00 | 6,557 94 | | 17,660 94 | 17,660 94 | |
| | | | | 97 02 | | 97 02 | 97 02 | |
| | | | 1,680 00 | 1,103 97 | | 2,783 97 | 2,783 97 | |
| Health—Tuberculosis Hospital | | | 24,794 00 | | 3,115 47 | 21,678 53 | 21,678 53 | |
| | | | 1,275 00 | | 255 62 | 1,019 38 | 1,019 38 | |
| | | | 300 00 | | 19 95 | 280 05 | 280 05 | |
| | | | 28,770 00 | 4,868 14 | | 33,638 14 | 33,638 14 | |
| Health—Inspection of Animals | | | 1,700 00 | | | 1,700 00 | 1,700 00 | |
| | | | 700 00 | | | 700 00 | 700 00 | |
| | | | 300 00 | 92 66 | | 392 66 | 392 66 | |
| Health—Insp. milk and vinegar | | | 2,800 00 | | | 2,800 00 | 2,800 00 | |
| | | | 201 00 | 5 94 | | 206 94 | 206 94 | |
| | | | 25 00 | 1 95 | | 26 95 | 26 95 | |
| | | | 565 00 | 383 76 | | 948 76 | 948 76 | |
| Health—School Dentist | | | 4,080 00 | | 748 69 | 3,331 31 | 3,331 31 | |
| | | | 80 00 | 346 61 | | 426 61 | 426 61 | |
| Suppression Flies, Mosquitoes | | | 3,000 00 | 419 01 | | 3,419 01 | 3,419 01 | |
| Sewer Dept., Maintenance Gen. | | | 16,600 00 | 2,338 11 | | 18,938 11 | 18,938 11 | |
| | | | 2,060 00 | 1,430 68 | | 3,490 68 | 3,490 68 | |
| | | | 70 00 | | 43 74 | 26 26 | 26 26 | |
| | | | 2,715 00 | 1,074 91 | | 3,789 91 | 3,789 91 | |
| | | | 500 00 | 64 52 | | 564 52 | 564 52 | |
| Street Dept., Sani., House Offal | | | 176,000 00 | 21,642 48 | | 197,642 48 | 197,642 48 | |
| | | | 1,542 00 | | 740 44 | 801 56 | 801 56 | |
| | | | 200 00 | 33 73 | | 233 73 | 233 73 | |
| | | | 4,110 00 | 3,369 17 | 2,468 15 | 1,641 85 | 1,641 85 | |
| Carried Forward | | | *1,279,932 22 | \$105,848 33 | \$27,118 85 | \$1,358,661 70 | \$1,358,661 70 | |

Statement Showing Auditor's and Treasurer's Expenditures and Balances for Year, April 1, 1920, to March 31, 1921

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CITY AUDITOR

| Accounts | Balances | Receipts | Appropriations and Additions | Transfer to | Transfer from | Total Appropriations | Total Expenditures | Balances |
|------------------------------|----------|----------|------------------------------|--------------|---------------|----------------------|--------------------|----------|
| Amounts Forward | | | \$1,279,932 22 | \$105,848 33 | \$27,118 85 | \$1,358,661 70 | \$1,358,661 70 | |
| Street Dept. Maintenance | | | 166,500 00 | 25,319 74 | | 191,819 74 | 191,819 74 | |
| A | | | 10,175 00 | 947 63 | | 11,122 63 | 11,122 63 | |
| B | | | 4,405 00 | 441 59 | | 4,846 59 | 4,846 59 | |
| C | | | 5,010 00 | 1,560 37 | | 6,570 37 | 6,570 37 | |
| D | | | 26,500 00 | | 663 26 | 25,836 74 | 25,836 74 | |
| E | | | | 1,801 27 | | 1,801 27 | 1,801 27 | |
| F11 | | | 6,000 00 | | | 5,471 71 | 5,471 71 | |
| F12 | | | 49,000 00 | 1,653 31 | 528 29 | 50,653 31 | 50,653 31 | |
| A | | | 1,045 00 | 265 54 | | 1,310 54 | 1,310 54 | |
| B | | | 50 00 | | 40 34 | 9 66 | 9 66 | |
| C | | | 51,070 00 | | 864 06 | 50,205 94 | 50,205 94 | |
| D | | | 2,000 00 | | 473 06 | 1,526 94 | 1,526 94 | |
| Completion of Ash Station | | | 2,500 00 | 1,650 27 | | 4,150 27 | 4,150 27 | |
| First Street Bridge | | | 18,655 28 | | 121 76 | 18,533 52 | 18,533 52 | |
| Boston and Camb. Bridges | | | 7,445 00 | 74 51 | 70 89 | 7,374 11 | 7,374 11 | |
| A | | | 350 00 | | | 424 51 | 424 51 | |
| B | | | 2,500 00 | | 782 05 | 1,717 95 | 1,717 95 | |
| D | | | 75,036 00 | 4,812 63 | | 79,848 63 | 79,848 63 | |
| Street Lighting | | | 16,262 00 | 24 50 | | 24 50 | 24 50 | |
| Overseers of Poor, City Home | | | 1,521 00 | 905 02 | 9 43 | 16,252 57 | 16,252 57 | |
| A | | | 1,400 00 | | | 2,426 02 | 2,426 02 | |
| B | | | 19,385 00 | 2,143 57 | 505 59 | 894 41 | 894 41 | |
| C | | | 25 00 | 373 74 | | 21,528 57 | 21,528 57 | |
| D | | | 600 00 | 45 50 | | 398 74 | 398 74 | |
| E | | | 12,020 00 | 50 00 | | 645 50 | 645 50 | |
| F9 | | | 4,080 00 | | 440 36 | 12,070 00 | 12,070 00 | |
| Overseers Poor, Outside Aid | | | 1,250 00 | 381 32 | | 3,639 64 | 3,639 64 | |
| A | | | 3,550 00 | 4,099 53 | | 1,631 32 | 1,631 32 | |
| B | | | 50,000 00 | 17,024 87 | | 7,649 53 | 7,649 53 | |
| C | | | 65,000 00 | 9,690 11 | | 67,024 87 | 67,024 87 | |
| D | | | 6,660 00 | | 740 50 | 74,690 11 | 74,690 11 | |
| E | | | 1,095 00 | | 48 29 | 5,919 50 | 5,919 50 | |
| F10 | | | | 90 90 | | 1,046 71 | 1,046 71 | |
| A | | | 270 00 | 127 34 | | 90 90 | 90 90 | |
| B | | | 50,000 00 | 6,225 55 | | 397 34 | 397 34 | |
| C | | | 175 00 | | 19 54 | 56,225 55 | 56,225 55 | |
| D | | | 29,781 00 | | 662 38 | 155 46 | 155 46 | |
| F8 | | | 4,960 00 | 3,277 76 | | 29,118 62 | 29,118 62 | |
| G | | | 950 00 | | 591 01 | 8,237 76 | 8,237 76 | |
| Municipal Hospital | | | 26,505 00 | 12,203 09 | | 358 99 | 358 99 | |
| A | | | | 71 26 | | 38,708 09 | 38,708 09 | |
| B | | | | | | 71 26 | 71 26 | |
| C | | | | | | | | |
| D | | | | | | | | |
| G | | | | | | | | |
| Carried Forward | | | \$2,003,662 50 | \$20,109 25 | \$33,679 36 | \$2,171,092 09 | \$2,171,092 09 | |

| Accounts | Balances | Receipts | Appropriations and Additions | Transfer to | Transfer from | Total Appropriations | Total Expenditures | Balances |
|--|-------------|-------------|------------------------------|-------------|---------------|----------------------|--------------------|-------------|
| Amounts Forward | | | \$2,003,662 50 | \$20,109 25 | \$33,679 66 | \$2,171,092 09 | \$2,171,092 09 | |
| School Dept. Salaries, Exp. | \$37,227 63 | | 73,191 51 | Inc. Tax | | 1,252,772 26 | 1,252,772 26 | \$27,286 37 |
| | | | 1,118,427 72 | | | | | |
| Inst. Baths, Roberts School | | | 2,500 00 | | 89 63 | 2,410 37 | 2,410 37 | |
| Maint. Baths, Thorndike Sch. | | | 800 00 | 890 80 | | 1,690 80 | 1,690 80 | |
| Maint. Baths. Haggerty Sch. | | | 400 00 | 285 24 | | 685 24 | 685 24 | |
| Maint. Baths Roberts School | | | 400 00 | 655 50 | | 1,055 50 | 1,055 50 | |
| Library and Branches | | | 31,028 00 | 1,544 94 | | 32,572 94 | 32,572 94 | |
| | | | 5,535 00 | 95 32 | | 5,630 32 | 5,630 32 | |
| | | | 425 00 | | 144 45 | 280 55 | 280 55 | |
| | | | 9,450 00 | 911 62 | | 10,361 62 | 10,361 62 | |
| Park Department Maintenance | | | 39,600 00 | 3,199 49 | | 42,799 49 | 42,799 49 | |
| | | | 6,627 00 | 2,415 85 | | 9,042 85 | 9,042 85 | |
| | | | 1,491 00 | | 769 64 | 721 36 | 721 36 | |
| | | | 3,325 00 | 1,914 58 | | 5,239 58 | 5,239 58 | |
| | | | 3,300 00 | 316 36 | | 3,616 36 | 3,616 36 | |
| | | | | 61 30 | | 61 30 | 61 30 | |
| | | | | 12,344 10 | | 12,344 10 | 12,344 10 | |
| | | | | 597 00 | | 897 00 | 897 00 | |
| Park Dept. Camb. Common | | | 300 00 | | | | | |
| Park Dept. Tennis Courts | | | | | | | | |
| Park Dept. Plants and Shrubs, Hastings Sq. | | | 500 00 | | | | | |
| Park Dept. Playgrounds Maint. | | | 3,800 00 | 362 15 | 500 00 | 4,162 15 | 4,162 15 | |
| | | | 310 00 | | 178 24 | 131 76 | 131 76 | |
| | | | 50 00 | 155 31 | | 205 31 | 205 31 | |
| | | | 1,175 00 | 14 57 | | 1,189 57 | 1,189 57 | |
| Reserve Fund | | \$47,740 24 | 95,000 00 | 90,745 31 | 226,687 78 | 6,797 77 | 6,797 77 | |
| Postage and Stationery | | 116 68 | 2,000 00 | | 1,571 32 | 545 36 | 545 36 | |
| Workmen's Compensation | | | 500 00 | | | 500 00 | 500 00 | |
| Damages to Persons and Prop. | | | 4,000 00 | 3,319 20 | | 7,319 20 | 7,319 20 | |
| Americanization Foreign Born | | | 4,500 00 | 891 24 | | 5,391 24 | 5,391 24 | |
| Planning Board | | | 2,000 00 | | 670 00 | 1,330 00 | 1,330 00 | |
| | | | | 463 12 | | 463 12 | 463 12 | |
| | | | | 74 23 | | 74 23 | 74 23 | |
| | | | | 683 04 | | 683 04 | 683 04 | |
| Record of Enlisted Men | | | | | | | | |
| Telephone Exch., Sal. and Exp. | | 406 59 | 2,000 00 | | | 406 59 | 406 59 | |
| Municipal Pensions | | 2,942 16 | 67,045 50 | 1,237 54 | 2,000 00 | 71,225 20 | 71,225 20 | |
| Post 30, G. A. R. Headquarters | | | 400 00 | | | 400 00 | 400 00 | |
| Spanish War Veterans | | | | 469 81 | | 1,269 81 | 1,269 81 | |
| Public Celebrations | | | 5,500 00 | 405 08 | | 5,905 08 | 5,905 08 | |
| Cemetery Department | | | 31,916 00 | 1,366 26 | | 34,782 26 | 34,782 26 | |
| | | 1,500 00 | 853 00 | 286 15 | | 1,139 15 | 1,139 15 | |
| | | | 600 00 | | 169 75 | 430 25 | 430 25 | |
| | | | 2,075 00 | 705 28 | | 2,780 28 | 2,780 28 | |
| | | | 1,300 00 | | 265 44 | 1,034 56 | 1,034 56 | |
| | | | | 123 00 | | 123 06 | 123 06 | |

Statement Showing Auditor's and Treasurer's Expenditures and Balances for Year, April 1, 1920, to March 31, 1921

| Accounts | Balances | Receipts | Appropriations and Additions | Transfer to | Transfer from | Total Appropriations | Total Expenditures | Balances to Cash Surplus |
|----------------------------------|--------------|-------------|------------------------------|--------------|---------------|----------------------|--------------------|--------------------------|
| Cemetery Department Grading | | 1,750 56 | 3,000 00 | 51 38 | | 3,051 38 | 3,051 38 | |
| Public Market | | | | 184 68 | | 1,750 56 | 1,750 56 | |
| American League Headquarters | | | | 1,000 00 | | 184 68 | 184 68 | |
| Est. Thos. Riley, Police Officer | | | | 35 00 | | 1,000 00 | 1,000 00 | |
| Renting and Housing Com. | | | | | 14,712 33 | 35 00 | 35 00 | |
| Sinking Funds | | | 186,917 83 | | | 172,205 50 | 172,205 50 | |
| Serial Loans | | | 400,527 33 | | 5,140 00 | 395,387 33 | 395,387 33 | |
| Interest | | | 432,897 25 | | 39,540 95 | 393,356 30 | 393,356 30 | |
| | \$38,027 63 | \$78,381 63 | \$4,549,329 64 | \$328,913 76 | \$326,119 19 | \$4,668,533 47 | \$4,634,449 33 | \$34,084 14 |
| Water Maintenance General | | | | | | | | |
| A | | | \$140,874 25 | \$22,199 23 | | \$163,073 48 | \$142,070 29 | \$21,003 19 |
| B | | | 21,260 00 | 2,167 57 | | 23,427 57 | 23,427 57 | |
| C | | | 11,350 00 | 2,689 66 | | 14,039 66 | 14,039 66 | |
| D | | | 9,510 00 | 4,583 69 | | 14,093 69 | 14,093 69 | |
| E | | | 30,150 00 | 9,983 55 | | 40,133 55 | 40,133 55 | |
| F2 | | | 3,000 00 | | \$2,541 20 | 458 80 | 458 80 | |
| F4 | | | 20,500 00 | | | 20,500 00 | 20,500 00 | |
| F5 | | | 41,838 75 | | 1,302 50 | 40,536 25 | 40,536 25 | |
| F7 | | | 3,184 00 | | 241 84 | 2,942 16 | 2,942 16 | |
| F11 | | | 300 00 | | 174 00 | 126 00 | 126 00 | |
| F14 | | | 5,500 00 | | 4,666 75 | 833 25 | 833 25 | |
| G | | | 3,500 00 | | 1,866 42 | 633 58 | 633 58 | |
| Incidental Expenditures | | | 25,470 75 | 2,405 77 | | 27,876 52 | 27,876 52 | |
| Park Dept. Playgrounds Maint. | | | 4,910 00 | 844 23 | | 5,754 23 | 5,754 23 | |
| Reservoirs | | | 625 00 | | 170 62 | 454 38 | 454 38 | |
| A | | | 1,450 00 | 1,235 40 | 39 69 | 1,410 31 | 1,410 31 | |
| B | | | | | | 1,235 40 | 1,235 40 | |
| C | | | | | | | | |
| D | | | | | | | | |
| Repairs to Reservoirs | | | 20,115 00 | | | 21,052 96 | 21,052 96 | |
| Pumping | | | 3,486 00 | 937 96 | 1,903 95 | 1,582 05 | 1,582 05 | |
| A | | | 25,300 00 | | 24,571 55 | 728 45 | 728 45 | |
| B | | | 32,125 00 | 3,898 69 | | 36,023 69 | 36,023 69 | |
| C | | | | | | | | |
| D | | | | | | | | |
| | \$404,448 75 | | \$50,945 75 | \$38,478 52 | \$416,915 98 | \$395,912 79 | \$21,003 19 | |

Statement Showing Auditor's and Treasurer's Expenditures and Balances for Year, April 1, 1920, to March 31, 1921

| Accounts | Balances | Receipts | Loans Authorized | Transfer to | Transfer from | Total Appropriations | Total Expenditures | Balances |
|----------------------------------|------------|------------|------------------|-------------|---------------|----------------------|--------------------|-----------|
| Sewer Construction General | \$8,317 62 | \$2,387 90 | \$75,000 00 | | \$2,794 57 | \$82,910 95 | \$75,623 98 | 7,286 97 |
| Sewer Separate System | 13 62 | | | | | 13 62 | | 13 62 |
| Remodelling Bldg. Central Sq. | 77,572 06 | | | | | 77,572 06 | | 77,572 06 |
| Department Equipment | 50,000 00 | | | | | 50,000 00 | 42,530 23 | 7,469 77 |
| Auburn Street | | | 5,000 00 | | | 5,000 00 | 1,901 20 | 3,098 80 |
| Austin Street | | | 21,000 00 | | | 21,000 00 | 18,010 93 | 2,989 07 |
| Bay Street | | | 1,900 00 | | 838 67 | 1,061 33 | 1,061 33 | |
| Bird Street | | | 1,400 00 | | 190 44 | 1,209 56 | 1,209 56 | |
| Brattle Street | | | 45,000 00 | | | 45,000 00 | 44,463 41 | 536 59 |
| Burleigh Street | 5,009 93 | | | | | 5,009 93 | 3,866 79 | 1,143 14 |
| Camelia Avenue | 1,000 00 | | | | | 1,000 00 | | 1,000 00 |
| Fayerweather Street | 4,545 44 | | | | | 4,545 44 | | |
| First St., from Canal, northerly | 915 48 | | | | 357 33 | 4,188 11 | 4,188 11 | 7,675 11 |
| Fourth Street | | | 53,000 00 | | | 53,000 00 | 45,324 89 | 915 48 |
| Fifth Street | | | | | | 915 48 | | |
| Fayette Street | | | 5,400 00 | | 2,221 45 | 3,178 55 | 3,178 55 | |
| Flagg Street | | | 5,500 00 | | 1,352 56 | 4,147 44 | 4,147 44 | |
| Garfield Street | | | 3,500 00 | | 681 90 | 2,818 10 | 2,818 10 | |
| Gore Street | | | 5,500 00 | | 1,353 09 | 4,146 91 | 4,146 91 | |
| Granville Road | 23,483 70 | | | \$68 65 | | 23,483 70 | 9,393 36 | 14,090 34 |
| Hamilton Street | 1,546 25 | | 2,100 00 | | | 1,614 90 | 1,614 90 | |
| Harding Street | | | 2,900 00 | | 512 55 | 1,587 45 | 1,587 45 | |
| Hawthorne Street | | | | | 316 35 | 2,583 65 | 2,583 65 | |
| Hayward Street | 2,200 00 | | | | 256 31 | 1,943 69 | 1,943 69 | |
| Larch Road | | | 4,000 00 | | 1,806 26 | 2,193 74 | 2,193 74 | |
| Lechemere Street | | | 2,500 00 | | 495 05 | 2,004 95 | 2,004 95 | |
| Lee Street | | | 2,000 00 | | 305 41 | 1,694 59 | 1,694 59 | |
| Market Street | | | 1,000 00 | 3,000 00 | 1,696 36 | 2,303 64 | 2,303 64 | |
| Norumbega Street | | | 8,400 00 | | 3,442 44 | 4,957 56 | 4,957 56 | |
| Pearl Street | | | 1,400 00 | | 282 99 | 1,117 01 | 1,117 01 | |
| Pemberton Street | | | 5,500 00 | | 2,469 65 | 3,030 35 | 3,030 35 | |
| Potter Street | | | 5,500 00 | 2,138 89 | | 7,638 89 | 7,638 89 | 856 90 |
| Regent Street | | | 8,000 00 | | 469 06 | 8,000 00 | 7,143 10 | |
| Rindge Avenue | | | 2,500 00 | | | 2,030 94 | 2,030 94 | |
| Trowbridge Street | | | 21,000 00 | | | 21,000 00 | 20,767 37 | 232 63 |
| Tudor Street | | | 3,100 00 | | 551 27 | 2,548 73 | 2,548 73 | |
| Union Street | | | 2,500 00 | | 589 12 | 1,910 88 | 1,910 88 | |
| | | | 1,200 00 | | 308 25 | 891 75 | 891 75 | |

Carried Forward

Statement Showing Auditor's and Treasurer's Expenditures and Balances for Year, April 1, 1920, to March 31, 1921

| Accounts | Balances | Receipts | Loans Authorized | Transfer to | Transfer from | Total Appropriations | Total Expenditures | Balances |
|---|----------------------------------|--------------|------------------------|-------------|---------------|-------------------------|--------------------|-------------------------|
| Wadsworth Street | | | 2,200 00 | 105 28 | | 2,305 28 | 2,305 28 | |
| Third, Sixth, and Commercial Ave. Bridges | 873 44 187 46 | | | | | 873 44 187 46 | 548 35 | 325 09 187 46 |
| Walden Street Bridge | | | | 4,416 83 | 4,416 83 | 4,416 83 | 4,416 83 | |
| Brookline Bridge | | | | | | 4,416 83 | | |
| Cambridge Bridge | 7,309 07 710 23 | | | | | 2,892 44 710 23 | | 2,892 44 710 23 |
| Harvard Bridge | 290 40 | | | | | 290 40 | | 290 40 |
| Land Damages | 1,980 15 | 9,389 23 | 30,000 00 | | | 41,369 38 | 38,359 76 | 3,018 62 |
| Edgestones and Sidewalks | | | | 9,240 44 | | 9,240 44 | 9,240 44 | |
| Seal Coating for Sundry Streets | | | | 18,163 69 | 12,240 44 | 18,190 62 | | 18,190 62 |
| Five-Year Balances | 12,247 37 150,014 93 | | 50,000 00 18,000 00 | | | 200,014 93 18,000 00 | 51,939 93 | 148,075 00 18,000 00 |
| Municipal Hospital | | | | | | 13 64 | | 13 64 |
| Land Adjoining High School | 13 64 | | | | | 484 95 | 35 00 | 449 95 |
| Construction River Parkway | 484 95 | | | | | 35,000 00 | | 35,000 00 |
| Land for Playgrounds | | | 35,000 00 | | | 3,759 84 | | 3,759 84 |
| Municipal Garage | | | | | | 2,588 47 | 2,743 50 | 3,475 65 |
| Water Construction General | 3,759 84 6,219 15 2,588 47 | | | | | 6,219 15 | | 2,588 47 |
| Detector Meters | | 131,000 00 | 469,000 00 | | | 600,000 00 | 2,545 27 | 597,454 73 |
| Hobbs' Brook Conduit | | | | | | | | |
| Filtration Plant | | | | | | | | |
| | \$361,283 40 | \$142,777 13 | \$900,000 00 | \$37,153 78 | \$39,948 35 | \$1,401,265 96 | \$441,953 34 | \$959,312 62 |

SCHEDULE B

Nos. I. to VII.

ASSETS AND LIABILITIES

SCHEDULE B-I.

March 31, 1921

ASSETS

| | |
|--|-----------------|
| Current Assets (B-II.) | \$1,654,246 87 |
| Contingent Assets (B-III.) | 100,390 57 |
| Trust Funds and Special Deposits (B-IV.) | 208,701 13 |
| Sinking Funds (B-V.) | 4,248,508 53 |
| <hr/> | |
| Total Available Assets | \$6,211,847 10 |
| Fixed Assets (Unavailable B-VI.) | 14,350,197 07 |
| <hr/> | |
| Grand Total of Assets | \$20,562,044 17 |

LIABILITIES

| | |
|--|-----------------|
| Current Liabilities (B-I.) | \$700,000 00 |
| Contingent Liabilities (B-IV.) | |
| Trust Liabilities (B-IV.) | 208,701 13 |
| Bonded Debt (B-V.) | 9,965,350 00 |
| <hr/> | |
| Total Liabilities | \$10,874,051 13 |
| General Deficit and Surplus Account (B-VII.) | 9,687,993 04 |
| <hr/> | |
| Grand Total of Liabilities | \$20,562,044 17 |

SCHEDULE B-II.

CURRENT ASSETS

Cash:

| | |
|---|--------------|
| Cash in the Treasury, March 31, 1921..... | \$453,821 06 |
|---|--------------|

Good Accounts Receivable:

| | |
|--|--------------|
| Delinquent Property Taxes, 1920 | \$807,200 55 |
| Delinquent Property Taxes, 1919 | 224,352 20 |
| Delinquent Property Taxes, 1918 | 43,347 22 |
| Other good accounts: | |
| Moth Assessments | 275 44 |
| Sewer Assessment | 2,188 17 |
| Sidewalk Assessments | 7,272 72 |
| Street Watering Assessments | 219 75 |
| Water Department, Rates, Meter, etc..... | 29,642 34 |

Miscellaneous bills as follows:

| | |
|--------------------------|-----------------|
| City Messenger | \$114 31 |
| Health | 28,022 78 |
| Sewer | 316 89 |
| Street | 5,007 77 |
| Outside Aid | 18,474 10 |
| Schools | 3,968 55 |
| Park | 777 68 |
| Cemetery | 5,321 86 |
| Municipal Hospital | 21,161 34 |
| Soldiers' Benefits | 2,762 14 |
| | <hr/> 85,927 42 |

| | |
|--------------------------------------|--------------|
| Total Good Accounts receivable | 1,200,425 81 |
|--------------------------------------|--------------|

| | |
|----------------------------|----------------------|
| Total Current Assets | <hr/> \$1,654,246 87 |
|----------------------------|----------------------|

CURRENT LIABILITIES

(Floating Debts)

1. Outstanding Accounts Due and Unpaid:

| | |
|--|--------------------|
| Of the current year | \$700,000 00 |
| Of previous years | |
| | <hr/> 700,000 00 |
| Surplus of Current Assets (B-VII.) | <hr/> \$954,246 87 |

SCHEDULE B-III.

CONTINGENT ASSETS

Doubtful Accounts Receivable:

Delinquent Personal Property and Poll Taxes, viz.:

| | |
|------------|-------------|
| 1917 | \$33,958 89 |
| 1916 | 31,879 10 |
| 1915 | 653 60 |
| 1914 | 506 62 |
| 1913 | 332 60 |

\$67,330 81

Liens 33,059 76

Other doubtful accounts, viz.:

Miscellaneous bills

\$100,390 57

CONTINGENT LIABILITIES

Retention Fund Account:

Percentage of Contractors' payments viz.:

Surplus of Contingent Assets (B-VII.) \$100,390 57

SCHEDULE B-IV.

TRUST FUND ASSETS

Special Deposits, etc., viz.:

| | | |
|------------------------------------|----------|-----------|
| Cemetery Fund | \$913 47 | |
| Bridge Charitable Fund | 2,843 00 | |
| Dowse Institute Fund | 1,096 35 | |
| Daniel White Charity Fund | 729 49 | |
| Sarah E. Russell Fund | 814 41 | |
| William E. Saunders Fund | 396 47 | |
| Citizens' Subscription Fund | 9 38 | |
| Cummings Legacy | 33 93 | |
| Fay Legacy | 24 33 | |
| James A. Woolson Fund | 436 50 | |
| Edward H. Whorf Fund | 695 33 | |
| William Fenn Harding Fund | 1,043 75 | |
| John Wesley Freese Fund | 115 13 | |
| Mehitable C. C. Wilson Fund | 732 85 | |
| Hopkins Fund, The | 214 28 | |
| Abigail W. Howe Fund | 3,031 51 | |
| Tailings Account Trust Funds | 5,018 57 | |
| | | 18,148 75 |

Investment of Trust Funds:

Stock and Bonds in Various Funds, viz.:

| | | |
|--------------------------------------|--------------|------------|
| Cemetery Fund | \$134,450 00 | |
| Cummings Legacy | 2,000 00 | |
| Fay Legacy | 1,000 00 | |
| Cemetery Funds, Deeds in Trust | 442 00 | |
| Citizens' Subscription Fund | 5,500 00 | |
| Dowse Institute Fund | 10,000 00 | |
| Daniel White Charity Fund | 10,360 00 | |
| Sanders Temperance Fund | 11,100 09 | |
| William E. Saunders Fund | 7,700 38 | |
| James A. Woolson Fund | 5,000 00 | |
| Edward H. Whorf Fund | 3,000 00 | |
| | | 190,552 38 |

Total Assets in Trust Funds \$208,701 13

LIABILITIES

Trust Funds and Special Funds, viz.:

| | |
|-----------------------------------|--------------|
| Cemetery Fund Account | \$135,363 47 |
| Bridge Charitable Fund | 2,843 00 |
| Dowse Institute Fund | 11,096 35 |
| Daniel White Charity Fund | 11,089 49 |
| Sarah E. Russell Fund | 814 41 |
| William E. Saunders Fund | 8,096 85 |
| Citizens' Subscription Fund | 5,509 38 |
| Cummings Legacy | 2,033 93 |

Amount carried forward \$176,846 88

TRUST FUND LIABILITIES—Concluded

Schedule B-IV.—Concluded

| | | |
|-------------------------------------|--------------|--------------|
| Amount brought forward | \$176,846 88 | |
| Fay Legacy | 1,024 33 | |
| James A. Woolson Fund | 5,436 50 | |
| Edward H. Whorf Fund | 3,695 33 | |
| William Penn Harding Fund | 1,043 75 | |
| The Hopkins Fund | 214 28 | |
| Cemetery Fund, Deeds in Trust | 442 00 | |
| Sanders Temperance Fund | 11,100 00 | |
| Mehitable C. C. Wilson Fund | 732 85 | |
| John Wesley Freese Fund | 115 13 | |
| Tailings Account Trust Fund | 5,018 57 | |
| Abigail W. Howe Fund | 3,031 51 | |
| <hr/> | | |
| Total Liabilities | | \$208,701 13 |

SCHEDULE B-V.

SINKING FUND ASSETS

Investment of Sinking Funds:

Bonds and Other Securities, viz.:

(For list of securities see Report of Sinking Fund Commissioners)

Sinking Funds, City Debt\$3,610,536 69

Sinking Funds, Water Debt 637,971 84

Total Sinking Funds \$4,248,508 53

Excess of Debt (Net City and Water Debts) (See B-VII.)..... 5,716,841 47

\$9,965,350 00

BONDED DEBTS OF THE CITY

1. General Bonds:

a. For General Municipal Purposes:

City Funded and Serial Debt\$8,959,350 00

b. For Municipal Enterprises:

Water Works, Funded and Serial Debt..... 1,006,000 00

2. Special Assessment Bonds:

Total of Bonded Debts \$9,965,350 00

SCHEDULE B-VI.

FIXED ASSETS

Land, Buildings and Equipment:

| | | |
|---|--------------|----------------|
| Law Department, equipment | | \$385 00 |
| City Buildings: | | |
| Land | \$156,800 00 | |
| Buildings | 339,000 00 | |
| Equipment | 47,036 00 | |
| | | 542,836 00 |
| Police Department, equipment | | 15,273 00 |
| Fire Department: | | |
| Land | \$61,900 00 | |
| Buildings | 197,100 00 | |
| Equipment | 152,800 00 | |
| | | 411,800 00 |
| Fire Alarm and Police Telegraph, equipment..... | | 60,415 00 |
| Health Department: | | |
| Land | \$9,800 00 | |
| Buildings | 92,600 00 | |
| Equipment | 10,712 25 | |
| | | 113,112 25 |
| Inspection of Milk and Vinegar, equipment..... | | 1,404 00 |
| Municipal Hospital: | | |
| Land | \$61,200 00 | |
| Buildings | 114,000 00 | |
| Equipment | 27,000 00 | |
| | | 212,200 00 |
| Cambridge Cemetery: | | |
| Land | \$66,900 00 | |
| Buildings | 7,600 00 | |
| Equipment | 5,000 00 | |
| | | 79,500 00 |
| Sealer of Weights and Measures, equipment..... | | 2,378 23 |
| City Home: | | |
| Land | \$91,900 00 | |
| Buildings | 46,500 00 | |
| Equipment | 10,850 00 | |
| | | 149,250 00 |
| Overseers of Poor, office equipment..... | | 1,050 00 |
| Engineering Department, equipment | | 148,329 50 |
| Sewer Department: | | |
| Land | \$12,800 00 | |
| Buildings | 4,300 00 | |
| Equipment | 10,316 00 | |
| | | 27,416 00 |
| Amount carried forward | | \$1,765,348 98 |

Schedule B-VI. — Concluded

| | | |
|--|----------------|-----------------|
| Amount brought forward | | \$1,765,348 98 |
| Street Department: | | |
| Land | \$109,300 00 | |
| Building | 59,500 00 | |
| Equipment | 108,750 00 | |
| | <hr/> | 277,550 00 |
| Bridge Department, equipment | | 2,100 00 |
| Water Works | | 6,801,494 52 |
| Schools: | | |
| Land | \$434,200 00 | |
| Buildings | 2,521,000 00 | |
| Equipment | 201,290 21 | |
| | <hr/> | 3,156,490 21 |
| Library: | | |
| Land | \$85,000 00 | |
| Buildings | 95,300 00 | |
| Equipment | 137,600 00 | |
| | <hr/> | 317,900 00 |
| Parks and Playgrounds: | | |
| Land | \$1,725,660 00 | |
| Buildings | 189,300 00 | |
| Equipment | 58,553 36 | |
| | <hr/> | \$1,973,513 36 |
| Other land not included in any of the Dept. Schedules..... | | 55,800 00 |
| | | <hr/> |
| Total Fixed Assets (See B-VII.) | | \$14,350,197 07 |

SCHEDULE B-VII.

GENERAL DEFICIT AND SURPLUS ACCOUNT

Deficits

| | |
|---|----------------|
| A Deficit of Current Assets (B-II.), if any..... | |
| B Surplus of Sinking Funds (B-V.), if any..... | |
| A Deficit of Trust Fund Assets (B-IV.), if any..... | |
| B Deficit of Sinking Funds Assets (B-V.), viz.:.... | |
| Net Bonded Debt | \$5,716,841 47 |
| Total of all Deficits | \$5,716,841 47 |

Surplus

| | |
|---|----------------|
| A Surplus of Current Assets (B-II.), if any..... | \$954,246 87 |
| A Surplus of Contingent Assets (B-III.), if any.... | 100,390 57 |
| A Surplus of Trust Funds (B-IV.), if any..... | |
| B Surplus of Sinking Funds (B-V.), if any..... | |
| Total Surplus, excluding Fixed Assets..... | \$1,054,637 44 |
| Excess of Deficits, viz.: | |
| Total Net Debts of the City | \$4,662,204 03 |

Balance

| | |
|---|-----------------|
| Total of Fixed Assets: | |
| Land, Buildings, Equipments (B-VI.)..... | \$14,350,197 07 |
| Deduct Total Net Debts of the City, as above | 4,662,204 03 |
| Balance of this Account, General Surplus (B-L)..... | \$9,687,993 84 |

SCHEDULE B

No. VIII.

CITY FUNDED DEBT;
CITY SERIAL DEBT
AND OTHER
MISCELLANEOUS TABLES

CITY DEBT

There have been additions to the City Debt during the year as follows:

| | |
|--|--------------------|
| Serial Loan Nos. 132-133—Street Loan, serial bonds, dated Oct. 1, 1920, payable 1921 to 1925, at an annual interest of 5½%. For the construction of Garfield, Regent, Pemberton, Harding and other streets as authorized by Section 5 (8) Chapter 719, Acts of 1913..... | \$70,000 00 |
| Serial Loans Nos. 134 and 137—Street Loan, serial bonds, dated Oct. 1, 1920, payable 1921 to 1925 at an annual interest of 5½%. For the construction of Fayerweather and other streets as authorized by Section 5 (8) Chapter 719, Acts of 1913 | 10,000 00 |
| Serial Loan No. 135—Street Loan, serial bonds, dated Oct. 1, 1920, payable 1921 to 1925 at an annual interest of 5½%. For Edgestones and Sidewalks as authorized by Section 5 (12) Chapter 719, Acts of 1913 | 30,000 00 |
| Serial Loan No. 136—Street Loan, serial bonds, dated Oct. 1, 1920, payable 1921 to 1925, at an annual interest of 5½%. For the construction of Massachusetts Avenue at Harvard Bridge as authorized by Section 5 (7) Chapter 719, Acts of 1913 | 13,000 00 |
| Serial Loan No. 138—Departmental Equipment Loan, serial bonds, dated Oct. 1, 1920, payable 1921 to 1925, at an annual interest of 5½%. For the purchase of new Departmental Equipment as authorized by Section 5 (11) Chapter 719, Acts of 1913 | 50,000 00 |
| Serial Loan No. 139—School House Loan, dated Oct. 1, 1920, payable 1921 to 1927, at an annual interest of 5%. For addition to the Morse School as authorized by Section 5 (4) Chapter 719, Acts of 1913..... | 3,500 00 |
| Serial Loan No. 140—Street Loan dated Oct. 1, 1920, payable 1921 to 1930, at an annual interest of 5%. For the construction of Gore and Burleigh Streets as authorized by Section 5 (7), Chapter 719, Acts of 1913..... | 15,000 00 |
| Serial Loans Nos. 141-142 and 143—Street Loan, dated Oct. 1, 1920, payable 1921 to 1930, at an annual interest of 5%. For the construction of First and other streets as authorized by Section 5 (7) Chapter 719, Acts of 1913..... | 140,000 00 |
| Serial Loan No. 144—Sewer Construction Loans, dated Oct. 1, 1920, payable 1921 to 1940, at an annual interest of 5%. For the construction of sewers for sanitary purposes and for sewage disposal as authorized by Section 5 (1) Chapter 719, Acts of 1913 | 20,000 00 |
| Serial Loan Nos. 145-146—Building (Hospital) Loan, dated Oct. 1, 1920, payable 1921 to 1940, at an annual interest of 5%. For the construction of an addition to the Municipal Hospital as authorized by Section 5 (4), Chapter 719, Acts of 1913 | 50,000 00 |
| Serial Loans Nos. 147 and 147—Sewer Construction Loans dated Oct. 1, 1920, payable 1921 to 1950, at an annual interest of 5%. For the construction of sewers for sanitary purposes and for sewage disposal as authorized by Section 5 (1) Chapter 719, Act of 1913 | 45,000 00 |
| Amount carried forward..... | <hr/> \$446,500 00 |

City Debt—Continued

| | | |
|--|------------|--------------|
| Amount brought forward | | \$446,500 00 |
| The following Funded Debt has matured and been paid: | | |
| Harvard Bridge Loan, registered bonds issued Nov. 1, 1890, at an annual interest of 4%..... | 5,000 00 | |
| Municipal Loan, registered bonds issued July 1, 1910, at an annual interest of 4%..... | 8,000 00 | |
| Street Loans, registered bonds issued Nov. 1, 1900 and March 1, 1911, at an annual interest of 3½% | 71,800 00 | |
| Street Loan, registered bonds issued March 1, 1911, at an annual interest of 4%..... | 25,000 00 | |
| Serial Bonds have matured and been paid..... | 243,800 00 | 353,600 00 |
| Net increase in debt 1920-1921 | | \$92,900 00 |

City Debt—Continued

The following is a statement of the total funded City Debt, with the rates of interest thereon:

HARVARD BRIDGE LOAN

| Date of Issue | Rate of Interest | When Due | Amount | Total |
|----------------------|---------------------|----------------|-------------|----------|
| July 1, 1891 R. & C. | 4 per cent.—30 yrs. | July 1, 1921.. | \$60,000 00 | |
| Aug. 1, 1893 C..... | 4 " —30 yrs. | Aug. 1, 1923.. | 10,000 00 | \$70,000 |

CAMBRIDGE BRIDGE LOAN

| | | | | |
|----------------------|----------------------|-----------------|-------------|-------------|
| July 1, 1899 R..... | 3½ per cent.—40 yrs. | July 1, 1939.. | \$50,000 00 | |
| July 2, 1900 R..... | 3½ " —40 yrs. | July 2, 1940.. | 100,000 00 | |
| Feb. 1, 1901 R..... | 3 " —40 yrs. | Feb. 1, 1941.. | 100,000 00 | |
| Nov. 1, 1901 R..... | 3½ " —40 yrs. | Nov. 1, 1941.. | 100,000 00 | |
| Aug. 1, 1902 R. & C. | 3½ " —40 yrs. | Aug. 1, 1942.. | 100,000 00 | |
| Jan. 1, 1903 R..... | 3½ " —40 yrs. | Jan. 1, 1943.. | 50,000 00 | |
| Apr. 1, 1903 R..... | 3½ " —40 yrs. | Apr. 1, 1943.. | 50,000 00 | |
| Aug. 1, 1903 C..... | 3½ " —40 yrs. | Aug. 1, 1943.. | 50,000 00 | |
| Jan. 1, 1904 R..... | 3½ " —40 yrs. | Jan. 1, 1944.. | 100,000 00 | |
| May 1, 1904 R. & C. | 3½ " —40 yrs. | May 1, 1944.. | 200,000 00 | |
| Aug. 1, 1904 R..... | 3½ " —40 yrs. | Aug. 1, 1944.. | 100,000 00 | |
| Sept. 1, 1904 R..... | 3½ " —40 yrs. | Sept. 1, 1944.. | 50,000 00 | |
| May 1, 1905 R..... | 3½ " —40 yrs. | May 1, 1945.. | 150,000 00 | |
| Dec. 1, 1905 R..... | 3½ " —40 yrs. | Dec. 1, 1945.. | 100,000 00 | |
| Aug. 1, 1906 R..... | 4 " —40 yrs. | Aug. 1, 1946.. | 150,000 00 | |
| Jan. 1, 1907 R..... | 4 " —40 yrs. | Jan. 1, 1947.. | 50,000 00 | |
| July 1, 1907 C..... | 4 " —40 yrs. | July 1, 1947.. | 40,000 00 | |
| Oct. 1, 1907 C..... | 4 " —40 yrs. | Oct. 1, 1947.. | 15,000 00 | |
| Aug. 1, 1908 R..... | 4 " —40 yrs. | Aug. 1, 1948.. | 45,000 00 | |
| July 1, 1910 R..... | 4 " —40 yrs. | July 1, 1950.. | 20,000 00 | |
| Dec. 1, 1911 C..... | 3½ " —40 yrs. | Dec. 1, 1951.. | 10,000 00 | |
| Mar. 1, 1912 C..... | 3½ " —40 yrs. | Mar. 1, 1952.. | 10,000 00 | \$1,640,000 |

BROOKLINE BRIDGE LOAN

| | | | | |
|----------------------|----------------------|-----------------|-------------|----------|
| Jan. 1, 1906 R..... | 3½ per cent.—40 yrs. | Jan. 1, 1946.. | \$20,000 00 | |
| Sept. 1, 1906 R..... | 4 " —40 yrs. | Sept. 1, 1946.. | 5,000 00 | \$25,000 |

COMMERCIAL AVENUE BRIDGE

| | | | | |
|---------------------|---------------------|----------------|--|----------|
| Aug. 1, 1906 R..... | 4 per cent.—40 yrs. | Aug. 1, 1946.. | | \$50,000 |
|---------------------|---------------------|----------------|--|----------|

BUILDING LOAN

| | | | | |
|----------------------|----------------------|-----------------|------------|----------|
| Apr. 1, 1903 R..... | 3½ per cent.—20 yrs. | Apr. 1, 1923.. | \$3,000 00 | |
| Apr. 1, 1904 R..... | 3½ " —20 yrs. | Apr. 1, 1924.. | 25,000 00 | |
| May 1, 1904 R..... | 3½ " —20 yrs. | May 1, 1924.. | 5,000 00 | |
| Sept. 1, 1907 R..... | 4 " —20 yrs. | Sept. 1, 1927.. | 30,000 00 | \$63,000 |

Amount carried forward\$1,848,000

City Debt—Continued

Amount brought forward\$1,848,000 00

CAMBRIDGE BRIDGE SPECIAL LOAN

(Charles River Dam)

| | | | | |
|--------------------|----------------------|---------------|--|-------------|
| May 1, 1904 R..... | 3½ per cent.—30 yrs. | May 1, 1934.. | | \$28,000 00 |
|--------------------|----------------------|---------------|--|-------------|

CITY LOAN

| | | | | |
|---------------------|----------------------|----------------|-------------|-------------|
| Mar. 1, 1912 C..... | 3½ per cent.—10 yrs. | Mar. 1, 1922.. | \$15,500 00 | \$15,500 00 |
|---------------------|----------------------|----------------|-------------|-------------|

HOSPITAL LOAN

| | | | | |
|---------------------|----------------------|----------------|------------|--------------|
| July 1, 1902 R..... | 3½ per cent.—20 yrs. | July 1, 1922.. | \$6,000 00 | |
| Aug. 1, 1908 R..... | 4 " —20 " | Aug. 1, 1928.. | 20,000 00 | |
| July 1, 1910 C..... | 4 " —20 " | July 1, 1930.. | 95,000 00 | |
| Dec. 1, 1911 R..... | 3½ " —20 " | Dec. 1, 1931.. | 4,000 00 | |
| Mar. 1, 1912 C..... | 3½ " —20 " | Mar. 1, 1932.. | 25,000 00 | \$150,000 00 |

METROPOLITAN PARK ASSESSMENT LOAN

| | | | | |
|---------------------|----------------------|----------------|--|-------------|
| Aug. 1, 1902 R..... | 3½ per cent.—30 yrs. | Aug. 1, 1932.. | | \$46,000 00 |
|---------------------|----------------------|----------------|--|-------------|

PARK LOAN

| | | | | |
|----------------------|---------------------|-----------------|--------------|----------------|
| Feb. 1, 1894 R. & C. | 4 per cent.—30 yrs. | Feb. 1, 1924.. | \$360,000 00 | |
| Aug. 1, 1895 R..... | 4 " —40 " | Aug. 1, 1935.. | 100,000 00 | |
| Feb. 1, 1896 R..... | 4 " —40 " | Feb. 1, 1936.. | 100,000 00 | |
| Aug. 1, 1896 R..... | 4 " —30 " | Aug. 1, 1926.. | 100,000 00 | |
| Oct. 1, 1896 R..... | 4 " —30 " | Oct. 1, 1926.. | 40,000 00 | |
| Sept. 1, 1897 R..... | 3½ " —40 " | Sept. 1, 1937.. | 100,000 00 | |
| Nov. 1, 1897 R..... | 3½ " —40 " | Nov. 1, 1937.. | 50,000 00 | |
| June 1, 1898 R..... | 3½ " —40 " | June 1, 1938.. | 50,000 00 | |
| Aug. 1, 1898 R..... | 3½ " —40 " | Aug. 1, 1938.. | 100,000 00 | |
| Aug. 1, 1899 R..... | 3½ " —40 " | Aug. 1, 1939.. | 100,000 00 | |
| July 2, 1900 R..... | 3½ " —40 " | July 2, 1940.. | 50,000 00 | |
| Nov. 1, 1900 R..... | 3½ " —40 " | Nov. 1, 1940.. | 50,000 00 | |
| Oct. 1, 1901 R..... | 3½ " —40 " | Oct. 1, 1941.. | 100,000 00 | |
| July 1, 1902 R..... | 3½ " —40 " | July 1, 1942.. | 48,000 00 | |
| Apr. 1, 1903 R..... | 3½ " —40 " | Apr. 1, 1943.. | 50,000 00 | |
| Sept. 1, 1904 R..... | 3½ " —40 " | Sept. 1, 1944.. | 25,000 00 | |
| Nov. 1, 1904 R..... | 3½ " —40 " | Nov. 1, 1944.. | 6,000 00 | |
| Apr. 1, 1905 R..... | 3½ " —40 " | Apr. 1, 1945.. | 5,000 00 | |
| May 1, 1905 R..... | 3½ " —40 " | May 1, 1945.. | 45,000 00 | |
| Aug. 1, 1905 R..... | 3½ " —40 " | Aug. 1, 1945.. | 5,000 00 | |
| Sept. 1, 1906 R..... | 4 " —40 " | Sept. 1, 1946.. | 25,000 00 | |
| Oct. 1, 1907 R..... | 4 " —40 " | Oct. 1, 1947.. | 10,000 00 | |
| Aug. 1, 1908 R..... | 4 " —40 " | Aug. 1, 1948.. | 30,000 00 | |
| Nov. 1, 1908 R..... | 4 " —40 " | Nov. 1, 1948.. | 12,000 00 | |
| Jan. 1, 1910 R..... | 3½ " —40 " | Jan. 1, 1950.. | 8,800 00 | |
| Mar. 1, 1911 R..... | 3½ " —40 " | Mar. 1, 1951.. | 17,000 00 | |
| July 1, 1911 R..... | 3½ " —40 " | July 1, 1951.. | 7,000 00 | |
| Dec. 1, 1911 R. & C. | 3½ " —40 " | Dec. 1, 1951.. | 6,200 00 | \$1,600,000 00 |

Amount carried forward\$3,687,500 00

City Debt—Continued

Amount brought forward\$3,687,500 00

PUBLIC LIBRARY LOAN

| | | | | |
|---------------------|----------------------|----------------|--|-------------|
| Nov. 1, 1901 R..... | 3½ per cent.—20 yrs. | Nov. 1, 1921.. | | \$27,000 00 |
|---------------------|----------------------|----------------|--|-------------|

SCHOOLHOUSE LOAN

| | | | | |
|----------------------|----------------------|----------------|-------------|--------------|
| July 1, 1901 R..... | 3½ per cent.—20 yrs. | July 1, 1921.. | \$76,000 00 | |
| July 1, 1902 R..... | 3½ " —20 " | July 1, 1922.. | 86,500 00 | |
| Oct. 1, 1902 R..... | 3½ " —20 " | Oct. 1, 1922.. | 11,000 00 | |
| Oct. 1, 1903 R..... | 3½ " —20 " | Oct. 1, 1923.. | 80,000 00 | |
| Apr. 1, 1904 R..... | 3½ " —20 " | Apr. 1, 1924.. | 80,000 00 | |
| Nov. 1, 1904 R..... | 3½ " —20 " | Nov. 1, 1924.. | 20,000 00 | |
| Nov. 1, 1904 R..... | 3½ " —20 " | Nov. 1, 1924.. | 6,000 00 | |
| May 1, 1905 R..... | 3½ " —20 " | May 1, 1925.. | 20,950 00 | |
| Aug. 1, 1905 R..... | 3½ " —20 " | Aug. 1, 1925.. | 20,000 00 | |
| Aug. 1, 1906 R..... | 4 " —20 " | Aug. 1, 1926.. | 33,000 00 | |
| Nov. 1, 1906 R..... | 4 " —20 " | Nov. 1, 1926.. | 14,000 00 | |
| Dec. 1, 1908 R..... | 3½ " —20 " | Dec. 1, 1928.. | 40,000 00 | |
| Jan. 1, 1910 R. & C. | 3½ " —20 " | Jan. 1, 1930.. | 93,500 00 | |
| July 1, 1910 R..... | 4 " —20 " | July 1, 1930.. | 120,000 00 | |
| Mar. 1, 1911 R..... | 3½ " —20 " | Mar. 1, 1931.. | 5,000 00 | |
| Mar. 1, 1912 C..... | 3½ " —20 " | Mar. 1, 1932.. | 2,500 00 | |
| Feb. 1, 1913 C..... | 3½ " —20 " | Feb. 1, 1933.. | 5,000 00 | \$713,450 00 |

SEWER LOAN (Construction General)

| | | | | |
|----------------------|---------------------|----------------|-------------|--------------|
| Aug. 1, 1894 R. & C. | 4 per cent.—30 yrs. | Aug. 1, 1924.. | \$75,000 00 | |
| Oct. 1, 1895 R..... | 4 " —30 " | Oct. 1, 1925.. | 60,000 00 | |
| Aug. 1, 1901 R..... | 3½ " —30 " | Aug. 1, 1931.. | 10,000 00 | |
| Oct. 1, 1903 R..... | 3½ " —30 " | Oct. 1, 1933.. | 20,000 00 | |
| May 1, 1904 R..... | 3½ " —30 " | May 1, 1934.. | 40,000 00 | |
| Nov. 1, 1904 R..... | 3½ " —30 " | Nov. 1, 1934.. | 5,000 00 | |
| May 1, 1905 R..... | 3½ " —30 " | May 1, 1935.. | 15,000 00 | |
| May 1, 1906 R..... | 4 " —30 " | May 1, 1936.. | 10,000 00 | |
| Apr. 1, 1907 R..... | 4 " —30 " | Apr. 1, 1937.. | 35,000 00 | |
| Dec. 1, 1908 R..... | 4 " —30 " | Dec. 1, 1938.. | 5,000 00 | |
| Jan. 1, 1910 R. & C. | 3½ " —30 " | Jan. 1, 1940.. | 23,000 00 | |
| May 1, 1910 R..... | 4 " —30 " | May 1, 1940.. | 15,000 00 | |
| Mar. 1, 1911 R..... | 3½ " —30 " | Mar. 1, 1941.. | 10,000 00 | |
| July 1, 1911 R..... | 3½ " —30 " | July 1, 1941.. | 10,000 00 | |
| Feb. 1, 1913 C..... | 3½ " —30 " | Feb. 1, 1943.. | 10,000 00 | |
| July 1, 1913 C..... | 4 " —30 " | July 1, 1943.. | 20,000 00 | |
| July 1, 1913 C..... | 4 " —30 " | July 1, 1943.. | 5,000 00 | \$368,000 00 |

SEWER LOAN (Improved Sewerage)

| | | | | |
|---------------------|----------------------|----------------|-------------|--------------|
| Nov. 1, 1899 R..... | 3½ per cent.—30 yrs. | Nov. 1, 1929.. | \$42,000 00 | |
| July 2, 1900 R..... | 3½ " —30 " | July 2, 1930.. | 100,000 00 | |
| Aug. 1, 1901 R..... | 3½ " —30 " | Aug. 1, 1931.. | 100,000 00 | |
| Nov. 1, 1902 R..... | 3½ " —30 " | Nov. 1, 1932.. | 20,000 00 | |
| Apr. 1, 1903 R..... | 3½ " —30 " | Apr. 1, 1933.. | 40,000 00 | |
| May 1, 1904 R..... | 3½ " —30 " | May 1, 1934.. | 47,000 00 | |
| May 1, 1905 R..... | 3½ " —30 " | May 1, 1935.. | 50,000 00 | \$399,000 00 |

Amount carried forward\$5,194,950 00

City Debt—Continued

Amount brought forward\$5,194,750 00

SEWER LOAN (Separate System of Drainage)

| | | | | | |
|----------------------|----|-------------------|-----------------|-------------|--------------|
| May 1, 1904 R..... | 3½ | per cent.—30 yrs. | May 1, 1934.. | \$25,000 00 | |
| May 1, 1905 R..... | 3½ | " —30 " | May 1, 1935.. | 25,000 00 | |
| May 1, 1906 R..... | 4 | " —30 " | May 1, 1936.. | 25,000 00 | |
| Sept. 1, 1906 R..... | 4 | " —30 " | Sept. 1, 1936.. | 25,000 00 | |
| Apr. 1, 1907 R..... | 4 | " —30 " | Apr. 1, 1937.. | 25,000 00 | |
| Nov. 1, 1907 R..... | 4 | " —30 " | Nov. 1, 1937.. | 10,000 00 | |
| Aug. 1, 1908 R..... | 4 | " —30 " | Aug. 1, 1938.. | 25,000 00 | |
| Dec. 1, 1908 R..... | 4 | " —30 " | Dec. 1, 1938.. | 12,000 00 | |
| July 1, 1909 R..... | 3½ | " —30 " | July 1, 1939.. | 2,000 00 | |
| Jan. 1, 1910 C..... | 3½ | " —30 " | Jan. 1, 1940.. | 23,000 00 | |
| May 1, 1910 R..... | 4 | " —30 " | May 1, 1940.. | 10,000 00 | |
| July 1, 1910 R..... | 4 | " —30 " | July 1, 1940.. | 15,000 00 | |
| July 1, 1911 R..... | 3½ | " —30 " | Mar. 1, 1941.. | 10,000 00 | |
| Dec. 1, 1911 C..... | 3½ | " —30 " | Dec. 1, 1941.. | 10,000 00 | |
| Sept. 1, 1912 C..... | 3½ | " —30 " | Sept. 1, 1942.. | 15,000 00 | |
| Feb. 1, 1913 C..... | 3½ | " —30 " | Feb. 1, 1943.. | 10,000 00 | \$267,000 00 |

STREET LOAN

| | | | | | |
|-----------------------|----|-------------------|-----------------|-------------|--------------|
| July 1, 1901 R..... | 3½ | per cent.—20 yrs. | July 1, 1921.. | \$54,000 00 | |
| July 1, 1902 R..... | 3½ | " —20 " | July 1, 1922.. | 30,000 00 | |
| Nov. 1, 1902 R..... | 3½ | " —20 " | Nov. 1, 1922.. | 14,000 00 | |
| Apr. 1, 1903 R..... | 3½ | " —20 " | Apr. 1, 1923.. | 4,000 00 | |
| Nov. 2, 1903 R..... | 3½ | " —20 " | Nov. 1, 1923.. | 12,000 00 | |
| Sept. 1, 1904 R..... | 3½ | " —20 " | Sept. 1, 1924.. | 59,000 00 | |
| Nov. 1, 1904 R..... | 3½ | " —20 " | Nov. 1, 1924.. | 6,500 00 | |
| May 1, 1905 R..... | 3½ | " —20 " | May 1, 1925.. | 84,000 00 | |
| Nov. 1, 1905 R..... | 3½ | " —20 " | Nov. 1, 1925.. | 1,500 00 | |
| May 1, 1906 R. & C. | 4 | " —20 " | May 1, 1926.. | 100,000 00 | |
| Aug. 1, 1906 R..... | 4 | " —20 " | Aug. 1, 1926.. | 22,000 00 | |
| Apr. 1, 1907 R..... | 4 | " —20 " | Apr. 1, 1927.. | 40,000 00 | |
| June 1, 1907 R..... | 4 | " —20 " | June 1, 1927.. | 19,000 00 | |
| Sept. 1, 1907 R..... | 4 | " —20 " | Sept. 1, 1927.. | 25,000 00 | |
| Nov. 1, 1907 R..... | 4 | " —20 " | Nov. 1, 1927.. | 10,000 00 | |
| Jan. 1, 1908 C..... | 4 | " —20 " | Jan. 1, 1928.. | 34,000 00 | |
| Aug. 1, 1908 R..... | 4 | " —20 " | Aug. 1, 1928.. | 42,000 00 | |
| Mar. 1, 1909 R..... | 3½ | " —20 " | Mar. 1, 1929.. | 20,000 00 | |
| Jan. 1, 1910 R. & C. | 3½ | " —20 " | Jan. 1, 1930.. | 13,500 00 | |
| July 1, 1910 R..... | 4 | " —20 " | July 1, 1930.. | 12,000 00 | |
| Mar. 1, 1911 R..... | 3½ | " —20 " | Mar. 1, 1931.. | 27,000 00 | |
| July 1, 1911 R..... | 3½ | " —20 " | July 1, 1931.. | 53,000 00 | |
| July 1, 1911 C..... | 3½ | " —10 " | July 1, 1921.. | 55,000 00 | |
| Dec. 1, 1911 C..... | 4 | " —10 " | Dec. 1, 1921.. | 17,000 00 | |
| Sept. 1, 1912 C..... | 4 | " —10 " | Sept. 1, 1922.. | 118,000 00 | |
| Sept. 1, 1912 R..... | 3½ | " —10 " | Sept. 1, 1922.. | 7,000 00 | |
| Sept. 1, 1912 P. & C. | 3½ | " —20 " | Sept. 1, 1932.. | 6,200 00 | |
| Feb. 1, 1913 C..... | 4 | " —10 " | Feb. 1, 1923.. | 13,000 00 | |
| Feb. 1, 1913 C..... | 3½ | " —20 " | Feb. 1, 1933.. | 6,250 00 | |
| July 1, 1913 C..... | 4 | " —10 " | July 1, 1923.. | 20,000 00 | |
| July 1, 1913 C..... | 4 | " —10 " | July 1, 1923.. | 37,800 00 | |
| July 1, 1913 C..... | 4 | " —20 " | July 1, 1933.. | 4,000 00 | |
| Aug. 1, 1913 C..... | 4 | " —20 " | Aug. 1, 1933.. | 3,700 00 | |
| Aug. 1, 1913 C..... | 4 | " —20 " | Aug. 1, 1933.. | 14,300 00 | \$984,750 00 |

Amount carried forward\$6,446,700 00

City Debt—Continued

Amount brought forward\$6,446,700 00

LAND FOR PLAYGROUND LOAN

| | | | | | |
|---------------------|----|-------------------|----------------|-------------|-------------|
| July 1, 1910 R..... | 4 | per cent.—30 yrs. | July 1, 1940.. | \$50,000 00 | |
| July 1, 1911 R..... | 3½ | “ —30 “ | July 1, 1941.. | 15,000 00 | |
| Dec. 1, 1911 C..... | 3½ | “ —30 “ | Dec. 1, 1941.. | 30,000 00 | \$95,000 00 |

PLAYGROUND CONSTRUCTION LOAN

| | | | | | |
|----------------------|----|-------------------|-----------------|-------------|-------------|
| July 1, 1911 R..... | 3½ | per cent.—10 yrs. | July 1, 1921.. | \$25,000 00 | |
| Sept. 1, 1912 C..... | 4 | “ —10 “ | Sept. 1, 1922.. | 35,000 00 | \$60,000 00 |

CHARLES RIVER BASIN ASSESSMENT LOAN

| | | | | | |
|---------------------|---|-------------------|----------------|--|-------------|
| Dec. 1, 1911 C..... | 4 | per cent.—10 yrs. | Dec. 1, 1921.. | | \$60,000 00 |
|---------------------|---|-------------------|----------------|--|-------------|

CEMETERY LOAN

| | | | | | |
|---------------------|----|-------------------|----------------|--|------------|
| July 1, 1911 R..... | 3½ | per cent.—10 yrs. | July 1, 1921.. | | \$8,000 00 |
|---------------------|----|-------------------|----------------|--|------------|

MUNICIPAL LOAN

| | | | | | |
|---------------------|---|-------------------|----------------|-------------|-------------|
| Feb. 1, 1913 C..... | 4 | per cent.—10 yrs. | Feb. 1, 1923.. | \$39,800 00 | |
| July 1, 1913 C..... | 4 | “ —10 “ | July 1, 1923.. | 25,000 00 | \$64,800 00 |

Total Funded Debt.....\$6,734,500 00

SERIAL LOANS**INSIDE DEBT LIMIT**

| | | |
|--|--------------|----------------|
| Street Loans, due 1921 to 1936 | \$994,100 00 | |
| School House Loans, due 1921 to 1939 | 197,750 00 | |
| Building Loans, due 1921 to 1941 | 265,500 00 | |
| Sewer Construction Loans, due 1921 to 1951..... | 235,000 00 | |
| Department Equipment Loan, due 1921 to 1925..... | 71,000 00 | |
| City Loans, due 1921 to 1924 | 3,000 00 | |
| | | \$1,766,350 00 |

OUTSIDE DEBT LIMIT

| | | |
|---|-------------|------------|
| Playground Loans, due 1921 to 1946..... | \$24,500 00 | |
| Sewer Separate Systems, due 1921 to 1946..... | 54,500 00 | |
| Hospital Loans, due 1921 to 1940 | 251,500 00 | |
| Bridge Loans, due 1921 to 1946 | 50,000 00 | |
| Park Loans, due 1921 to 1945..... | 78,000 00 | |
| | | 458,500 00 |

Total City Debt, March 31, 1921.....\$8,959,350 00

SERIAL LOANS

Inside Debt Limit

City Debt—Continued

| Financial Year April 1 to March 31, in which the loans are due. | Street | School | Building | Sewer Con- struction | Department Equipment | City | Totals |
|---|--------------|--------------|--------------|-------------------------|-------------------------|------------|----------------|
| 1921-22..... | \$196,850 00 | \$13,500 00 | \$22,000 00 | \$10,500 00 | \$17,000 00 | \$1,000 00 | \$260,850 00 |
| 1922-23..... | 185,650 00 | 13,500 00 | 22,000 00 | 10,500 00 | 17,000 00 | 1,000 00 | 249,650 00 |
| 1923-24..... | 168,050 00 | 13,500 00 | 22,000 00 | 10,500 00 | 17,000 00 | 1,000 00 | 232,050 00 |
| 1924-25..... | 139,050 00 | 13,500 00 | 16,500 00 | 10,500 00 | 10,000 00 | | 189,550 00 |
| 1925-26..... | 102,050 00 | 13,500 00 | 16,500 00 | 10,500 00 | 10,000 00 | | 152,550 00 |
| 1926-27..... | 62,250 00 | 13,500 00 | 16,500 00 | 10,000 00 | | | 102,250 00 |
| 1927-28..... | 48,650 00 | 13,500 00 | 16,500 00 | 10,000 00 | | | 88,650 00 |
| 1928-29..... | 34,650 00 | 13,000 00 | 16,500 00 | 9,500 00 | | | 73,650 00 |
| 1929-30..... | 31,400 00 | 13,000 00 | 13,500 00 | 9,500 00 | | | 67,400 00 |
| 1930-31..... | 17,900 00 | 13,000 00 | 13,500 00 | 9,500 00 | | | 53,900 00 |
| 1931-32..... | 2,400 00 | 13,000 00 | 13,500 00 | 9,500 00 | | | 38,400 00 |
| 1932-33..... | 2,400 00 | 13,000 00 | 13,500 00 | 9,500 00 | | | 38,400 00 |
| 1933-34..... | 2,400 00 | 13,000 00 | 13,500 00 | 9,500 00 | | | 38,400 00 |
| 1934-35..... | 400 00 | 9,750 00 | 13,500 00 | 9,500 00 | | | 33,150 00 |
| 1935-36..... | | 5,500 00 | 13,500 00 | 9,000 00 | | | 28,000 00 |
| 1936-37..... | | 5,000 00 | 7,500 00 | 9,000 00 | | | 21,500 00 |
| 1937-38..... | | 5,000 00 | 7,500 00 | 8,500 00 | | | 21,000 00 |
| 1938-39..... | | | 2,500 00 | 8,000 00 | | | 10,500 00 |
| 1939-40..... | | | 2,500 00 | 7,000 00 | | | 9,500 00 |
| 1940-41..... | | | 2,500 00 | 7,000 00 | | | 9,500 00 |
| 1941-42..... | | | | 6,000 00 | | | 6,000 00 |
| 1942-43..... | | | | 6,000 00 | | | 6,000 00 |
| 1943-44..... | | | | 6,000 00 | | | 6,000 00 |
| 1944-45..... | | | | 6,000 00 | | | 6,000 00 |
| 1945-46..... | | | | 6,000 00 | | | 6,000 00 |
| 1946-47..... | | | | 5,000 00 | | | 5,000 00 |
| 1947-48..... | | | | 4,500 00 | | | 4,500 00 |
| 1948-49..... | | | | 3,500 00 | | | 3,500 00 |
| 1949-50..... | | | | 3,000 00 | | | 3,000 00 |
| 1950-51..... | | | | 1,500 00 | | | 1,500 00 |
| | \$994,100 00 | \$197,750 00 | \$265,500 00 | \$235,000 00 | \$71,000 00 | \$3,000 00 | \$1,766,350 00 |

City Debt—Continued

SERIAL LOANS
Outside Debt Limit

| Financial Year Apr. 1 to March 31, in which loans are due | Play- grounds | Sewer Separate System | Hospital | Bridge | Park | Water | Total |
|--|------------------|-----------------------------|--------------|-------------|-------------|--------------|--------------|
| 1921-22.... | \$1,300 00 | \$3,000 00 | \$15,500 00 | \$2,000 00 | \$4,000 00 | \$20,500 00 | \$46,300 00 |
| 1922-23.... | 1,300 00 | 3,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 20,500 00 | 46,300 00 |
| 1923-24.... | 1,300 00 | 3,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 20,500 00 | 46,300 00 |
| 1924-25.... | 1,300 00 | 3,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 20,500 00 | 46,300 00 |
| 1925-26.... | 1,300 00 | 3,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 20,500 00 | 46,300 00 |
| 1926-27.... | 1,300 00 | 3,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 8,000 00 | 33,800 00 |
| 1927-28.... | 1,300 00 | 2,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 8,000 00 | 32,800 00 |
| 1928-29.... | 1,300 00 | 2,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 8,000 00 | 32,800 00 |
| 1929-30.... | 1,300 00 | 2,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 8,000 00 | 32,800 00 |
| 1930-31.... | 1,300 00 | 2,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 7,000 00 | 31,800 00 |
| 1931-32.... | 1,300 00 | 2,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 7,000 00 | 31,800 00 |
| 1932-33.... | 1,300 00 | 2,000 00 | 15,500 00 | 2,000 00 | 4,000 00 | 7,000 00 | 31,800 00 |
| 1933-34.... | 1,300 00 | 2,000 00 | 15,500 00 | 2,000 00 | 3,000 00 | 6,000 00 | 29,800 00 |
| 1934-35.... | 1,300 00 | 2,000 00 | 15,500 00 | 2,000 00 | 3,000 00 | 3,500 00 | 27,300 00 |
| 1935-36.... | 1,300 00 | 2,000 00 | 12,500 00 | 2,000 00 | 3,000 00 | 3,500 00 | 24,300 00 |
| 1936-37.... | 500 00 | 2,000 00 | 8,000 00 | 2,000 00 | 3,000 00 | 2,500 00 | 18,000 00 |
| 1937-38.... | 500 00 | 2,000 00 | 8,000 00 | 2,000 00 | 3,000 00 | 2,500 00 | 18,000 00 |
| 1938-39.... | 500 00 | 2,000 00 | 3,000 00 | 2,000 00 | 3,000 00 | 1,500 00 | 12,000 00 |
| 1939-40.... | 500 00 | 2,000 00 | 3,000 00 | 2,000 00 | 3,000 00 | 1,500 00 | 12,000 00 |
| 1940-41.... | 500 00 | 2,000 00 | 3,000 00 | 2,000 00 | 3,000 00 | 1,500 00 | 9,000 00 |
| 1941-42.... | 500 00 | 2,000 00 | | 2,000 00 | 2,000 00 | 1,500 00 | 8,000 00 |
| 1942-43.... | 500 00 | 2,000 00 | | 2,000 00 | 2,000 00 | 1,500 00 | 8,000 00 |
| 1943-44.... | 500 00 | 2,000 00 | | 2,000 00 | 1,000 00 | 1,500 00 | 7,000 00 |
| 1944-45.... | 500 00 | 2,000 00 | | 2,000 00 | 1,000 00 | 1,000 00 | 7,000 00 |
| 1945-46.... | 500 00 | 500 00 | | 2,000 00 | | | 3,000 00 |
| | \$24,500 00 | \$54,500 00 | \$251,500 00 | \$50,000 00 | \$78,000 00 | \$184,000 00 | \$642,500 00 |

City Debt—Continued

Following is a statement of the total Funded Water Debt of the City, with rates of interest thereon:

| Date of Issue | | | Rate of Interest Term | | When due | Amount | Total |
|---------------|---------|---------|-----------------------|---------|-----------------|-------------|--------------|
| July | 1, 1901 | R..... | 3½ | 20 yrs. | July 1, 1921.. | \$30,000 00 | |
| July | 1, 1902 | R..... | 3½ | 20 " | July 1, 1922.. | 13,500 00 | |
| Nov. | 1, 1902 | R..... | 3½ | 20 " | Nov. 1, 1922.. | 5,000 00 | |
| April | 1, 1894 | C..... | 4 | 30 " | April 1, 1924.. | 300,000 00 | |
| May | 1, 1905 | R..... | 3½ | 20 " | May 1, 1925.. | 46,000 00 | |
| May | 1, 1906 | R. & C. | 4 | 30 " | May 1, 1936.. | 280,000 00 | |
| June | 1, 1907 | R..... | 4 | 30 " | June 1, 1937.. | 49,000 00 | |
| July | 1, 1907 | C..... | 4 | 30 " | July 1, 1937.. | 25,000 00 | |
| June | 1, 1908 | R..... | 4 | 20 " | June 1, 1928.. | 20,000 00 | |
| Aug. | 1, 1908 | R..... | 4 | 30 " | Aug. 1, 1938.. | 17,000 00 | |
| Jan. | 1, 1910 | C..... | 3½ | 20 " | Jan. 1, 1930.. | 5,000 00 | |
| Feb. | 1, 1910 | R..... | 3½ | 20 " | Feb. 1, 1930.. | 5,000 00 | |
| Mar. | 1, 1911 | R..... | 3½ | 30 " | Mar. 1, 1941.. | 16,500 00 | |
| Dec. | 1, 1911 | C..... | 3½ | 30 " | Dec. 1, 1941.. | 10,000 00 | \$822,000 00 |

CITY FUNDED DEBT

| | April 1, 1920 | April 1, 1921 | Increase 1920-1921 | Decrease 1920-1921 |
|---|----------------|----------------|-----------------------|-----------------------|
| Funded City Debt..... | \$6,844,300 00 | \$6,734,500 00 | | |
| Sinking Funds for Funded City Debt | 3,345,431 84 | 3,610,536 69 | | |
| Net Funded City Debt.... | \$3,498,868 16 | \$3,123,963 31 | | \$374,904 85 |
| Serial City Debt..... | 2,022,150 00 | 2,224,850 00 | \$202,700 00 | |
| Net City Debt..... | \$5,521,018 16 | \$5,348,813 31 | | \$172,204 85 |
| Funded Water Debt..... | 852,000 00 | 822,000 00 | | |
| Sinking Funds for Funded Water Debts | 642,549 52 | 637,971 84 | | |
| Net Funded Water Debt.. | 209,450 48 | 184,028 16 | | 25,422 32 |
| Serial Water Debt..... | 204,500 00 | 184,000 00 | | 20,500 00 |
| Net Water Debt..... | \$413,950 48 | \$368,028 16 | | 45,922 32 |

City Debt—Concluded

RECAPITULATION

| | | |
|--|---------------|-----------------------|
| Amount of City Loans upon which interest is at 5½% | \$ 173,000 00 | |
| Amount of City Loans upon which interest is at 5% | 273,500 00 | |
| Amount of City Loans upon which interest is at 4½% | 993,150 00 | |
| Amount of City Loans upon which interest is at 4% | 3,247,700 00 | |
| Amount of City Loans upon which interest is at 3½% | 4,172,000 00 | |
| Amount of City Loans upon which interest is at 3% | 100,000 00 | |
| Total Funded and Serial City Debt.... | | \$8,959,350 00 |
| Amount of Water Loans upon which interest is at 4% | 100,000 00 | |
| Amount of Water Loans upon which interest is at 3½% | 226,000 00 | |
| Total Funded and Serial Water Debt.... | | 1,006,000 00 |
| | | <u>\$9,965,350 00</u> |

Temporary Loans for the Past Ten Years and Interest upon the Same

| Year | Loan Temporary | Interest paid upon Loan | Year | Temporary Loan | Interest paid upon Loan |
|-----------|-------------------|-------------------------------|-----------|-------------------|-------------------------------|
| 1911..... | \$400,000 00 | \$3,927 62 | 1916..... | \$1,650,000 00 | \$23,921 76 |
| 1912..... | 500,000 00 | 5,426 03 | 1917..... | 3,215,000 00 | 47,893 19 |
| 1913..... | 400,000 00 | 7,432 77 | 1918..... | 2,050,000 00 | 60,660 91 |
| 1914..... | 1,145,000 00 | 13,518 04 | 1919..... | 2,100,000 00 | 60,784 68 |
| 1915..... | 1,650,000 00 | 15,398 66 | 1920..... | 2,650,000 00 | 56,699 17 |

ANNUITIES AND TRUST FUNDS

Section 53—Chapter 41—General Laws

PROVIDING FOR THE AUDITING OF CERTAIN TRUST FUNDS AND ACCOUNTS

Section 53. Town auditors shall at least once every year, and so much oftener as they deem necessary, audit the accounts of the trustees of any property the principal or income of which, in whole or in part, was bequeathed or given in trust for public uses for the benefit of the town or any part thereof, or for the benefit of the inhabitants of the town or of any part thereof, and examine and estimate the funds, securities and evidences of property held by such trustees. Said trustees shall give said auditors free access to their accounts, funds, securities and evidences of property; and any such trustee refusing to exhibit the same shall be punished by a fine of not less than fifty nor more than two hundred dollars. Town auditors shall include in their annual reports a report of such auditing and investigation; and if they discover any fraud or irregularity they shall immediately report the same to the mayor and city treasurer or to the selectmen and town treasurer.

Under the provisions of the foregoing Act I hereby certify that I have examined the accounts, vouchers and securities belonging to the Trust Funds held for public uses, and find them correct and in excellent condition.

Attest:

CHARLES H. THURSTON, City Auditor.

April 1, 1921.

ANNUITIES

| | Original Gift | Annual Interest |
|-----------------------------------|---------------|-----------------|
| Dowse Institute Annuity..... | \$5,000 | \$300 |
| Daniel White Charity Annuity..... | 10,000 | 600 |
| Sanders Temperance Annuity..... | 10,000 | 600 |
| | \$25,000 | \$1,500 |

DANIEL WHITE CHARITY (\$10,360.00)

Established by Daniel White, of Charlestown, in his lifetime for the purchase and distribution of fuel among the deserving poor of Cambridge, his native city.

May 15, 1863, he appointed four trustees, with the Mayor of Cambridge, ex officio, to distribute not exceeding \$300 per year. The trustees fill any vacancies in their number, in case of death, etc. Ex-Mayor J. Warren Merrill added a bequest in cash and stocks to the value of \$5,360, thus making the principal \$10,360. The present permanent members are George E. Saunders, Walter F. Earle, Edmund Reardon and Fred B. Wheeler, and the fund is invested by the trustees.

Annuities—Continued

Report of the Treasurer of the Daniel White Charity Fund

Receipts:

| | |
|---|-------------|
| Amount of Fund, January 30, 1920..... | \$11,242 68 |
| Interest received on city notes | 500 00 |
| Interest received on bank balance | 36 53 |
| Cash balance at beginning of year..... | 882 68 |
| | <hr/> |
| | \$1,419 21 |

Payments:

| | |
|--|-------------|
| Paid for fuel for poor | \$689 72 |
| Cash balance at close of year | 729 49 |
| | <hr/> |
| | \$1,419 21 |
| Principal | \$10,000 00 |
| Cash in principal | 360 00 |
| Cash balance in bank, Jan. 29, 1921..... | 729 49 |
| | <hr/> |
| | \$11,089 49 |

Amount of Fund, March 31, 1921..... \$11,089 49

THE DOWSE INSTITUTE (\$10,000)

The executors of Thomas Dowse, under a discretionary power in his will, gave to the city, on June 30, 1858, the sum of ten thousand dollars for an annual course of lectures, the city agreeing to pay to the trustees of said institute interest thereon at the rate of six per cent. per annum. The trustees consist of three permanent members, with the Mayor and the President of the City Council, for the time being. The original permanent members were appointed by the executors, and the board fills its own vacancies.

Report of the Treasurer of the Dowse Institute Fund

Receipts:

| | |
|--|------------|
| Bank balance, March 31, 1919 | \$600 82 |
| Received of City two years' interest..... | 1,200 00 |
| Received as interest on deposit with Cambridge Trust Co. | 38 15 |
| | <hr/> |
| | \$1,838 97 |

Payments:

| | |
|--|------------|
| Riverside House Associates | \$49 00 |
| School Centre work in co-operation with Cambridge School Committee..... | 388 00 |
| Moving Picture Booth—Thorndike School | 305 62 |
| | <hr/> |
| | 742 62 |
| Balance in bank, March 31, 1920..... | 1,096 35 |
| | <hr/> |
| | \$1,838 97 |

The Treasurer of this fund was abroad April 1, 1921, and no report was filed.

THE SANDERS TEMPERANCE ANNUITY (\$11,100)

The sum was given to the City by the will of Charles Sanders, of Cambridge, who died April 7, 1864, for the support of a missionary to promote the cause of temperance. The trustees consist of the Mayor and President of the City Council. The City pays a missionary \$600 a year to carry out the provisions of the will.

On January 26, 1921, the trustees appointed Bernard J. Brogan to the office of City Missionary, said appointment to take effect February 1, 1921.

Annuities—Continued**THE HOPKINS FUND (£500)**

Edward Hopkins died in London, England, in 1657 or 1658, leaving £500 to be used, upon the death of his widow, to aid a college and school in New England. The Court of Chancery gave it to Harvard College and a school in Cambridge. One-fourth of the net income is paid annually to the city for classical instruction in the Latin School. The trustees are a corporation established in Boston.

Treasurer's Report of Hopkins Fund

| | | |
|---|----------|------------|
| Amount on hand, March 31, 1920..... | | \$1,213 48 |
| Interest accumulations on deposit | | 26 58 |
| Received from Treasurer of Hopkins Fund | | 822 29 |
| | | <hr/> |
| | | \$2,062 35 |
| Faid to Individuals by vote School Committee..... | \$600 00 | |
| Paid to the City of Cambridge for tuition..... | 320 00 | |
| Paid to the School Department, for supplies | 928 07 | |
| | <hr/> | \$1,848 07 |
| Balance, March 31, 1921, Harvard Trust Company..... | | \$214 28 |
| | | <hr/> |
| | | \$2,062 35 |

HENRY F. LEHAN, City Treasurer.

March 31, 1921.

THE TRUST FUNDS**CEMETERY FUND FOR PERPETUAL CARE OF LOTS**

Held in trust by the City comprising sums received from the proprietors of lots in Cambridge Cemetery for the perpetual care of their lots therein. The fund is almost all invested in City of Cambridge registeed bonds. First established in 1860.

| | | |
|---|--------------|--------------|
| Amount of Bonds in fund, March 31, 1920..... | \$126,750 00 | |
| Amount of Bonds purchased to March 31, 1921.... | 11,000 00 | |
| | <hr/> | \$137,750 00 |
| Amount of Bonds that matured during year | | |
| 1920-1921 | 3,300 00 | |
| | <hr/> | \$134,450 00 |

CASH ACCOUNT**Dr.**

| | | |
|--|------------|-------------|
| Cash on hand, March 31, 1920..... | \$1,078 62 | |
| Received from proprietors of lots for perpetual care | 6,278 45 | |
| Received from proprietors for deeds in trust..... | 10 00 | |
| Received from interest on investments | 5,693 22 | |
| Received from matured bonds | 3,300 00 | |
| Received from discount on bonds purchased..... | 1,246 40 | |
| | <hr/> | \$17,606 69 |

Cr.

| | | |
|--|-------------|-------------|
| Cash paid for bonds puurchased | \$11,000 00 | |
| Paid accrued interest on bonds purchased | 54 06 | |
| Paid to Cemetery Trustees for care of lots in perpetual care | 5,639 16 | |
| Balance on hand, March 31, 1921 | 913 47 | |
| | <hr/> | \$17,606 69 |

The Trust Funds—Continued

| | | |
|---|--------------|--------------|
| Registered Bonds | \$134,450 00 | |
| Deposit in Harvard Trust Co.—..... | 913 47 | |
| | <hr/> | \$135,363 47 |
| Fund for Perpetual Care | \$134,921 47 | |
| Fund for Deeds in Trust | 442 00 | |
| | <hr/> | \$135,363 47 |
| | | <hr/> |

CEMETERY FUND: DEEDS IN TRUST

Held in trust by the City, comprising sums received from the proprietors of lots in Cambridge Cemetery for the furtherance of certain trusts mentioned in conveyances of lots to the City in trust.

The fund amounts to \$442.00, and was first established March 11, 1901. Included in investment of Perpetual Car Fund \$442 00

THE BRIDGE CHARITABLE FUND

Founded by the late Levi Bridge of Cambridge, in his lifetime, by a deed of trust dated Aug. 12, 1875, and upon his death (April 15, 1876), the amount of said fund came into the hands of the City. In October, 1877, Mr. Samuel F. Bridge, a relative of the founder, gave a sum sufficient to double the amount. When the fund reached two thousand dollars, one-third of the income was to be added to the principal and two-thirds paid over annually to the Overseers of the Poor, to be expended for the deserving poor of Cambridge. The trustees consist of the Mayor and the President of the City Council. The City Treasurer is custodian of the Fund.

| | | |
|---|----------|------------|
| Amount of Fund, March 31, 1920..... | | \$2,795 83 |
| Interest to March 31, 1921..... | \$141 51 | |
| Two-thirds income paid to Overseers of the Poor | 94 34 | |
| | <hr/> | |
| One-third income paid to Fund | | 47 17 |
| | | <hr/> |
| Balance deposited in Central Trust Co., March 31, 1921..... | | \$2,843 00 |

Two-thirds of the income amounting to \$94.34 was paid to the Overseers of the Poor, and the balance, \$47.17 was added to the principal, leaving a balance of \$2,843.00 in the hands of the City Treasurer. Said sum is deposited in the Central Trust Company and bears interest at the rate of four per cent. per annum.

HENRY F. LEHAN, City Treasurer.

March 31, 1921.

CITIZENS' SUBSCRIPTION FUND (\$5,500)

In 1889, a committee of citizens raised by subscription a fund to enable the trustees to purchase a large number of books at the time the new Public Library building was opened. The unexpended balance (Fifty-five hundred dollars) was invested and the income is used for the same purpose.

| | | |
|--------------------------------------|----------|----------|
| Balance in bank, March 31, 1920..... | \$285 17 | |
| Receipts | 271 75 | |
| | <hr/> | \$556 92 |
| Expenditures | | 547 54 |
| | | <hr/> |
| | | \$9 38 |

The Trust Funds—Continued**CITIZENS' SUBSCRIPTION FUND (\$5,500)**

| | |
|---|------------|
| Balance on deposit, March 31, 1921 | \$9 38 |
| The principal is invested in Cambridge Sewer Bonds, Nos. 47 and 1150 | \$5,500 00 |

CUMMINGS LEGACY (\$2,000)

As provided in the will of Daniel P. Cummings, who died May 3, 1889, the sum of two thousand dollars was paid over to the trustees of the Public Library the, annual income to be expended by said trustees in the purchase of non-sectarian books for the Public Library.

| | | |
|--|---------|------------|
| Balance on deposit, March 31, 1920..... | \$48 58 | |
| Receipts | 120 90 | |
| | | \$169 48 |
| Expenditures | | 135 55 |
| Balance on deposit, March 31, 1921..... | | \$33 93 |
| The principal is invested in Cambridge Sewer Bond No. 1102 | | \$2,000 00 |

FAY LEGACY (\$1,000)

In accordance with the provisions of the will of Isaac Fay, who died December 29, 1872, the sum of one thousand dollars was paid to the trustees of the Dana Library (now the Cambridge Library) for the time being, "which sum shall be safely invested by said trustees, and the income thereof appropriated to the purchase of books for said Library."

| | | |
|---|---------|------------|
| Balance on deposit, March 31, 1920..... | \$40 03 | |
| Receipts | 30 00 | |
| | | \$70 03 |
| Expenditures | | 45 70 |
| Balance on deposit, March 31, 1921..... | | \$24 33 |
| The principal is invested in a Cambridge Schoolhouse Bond | | \$1,000 00 |

WILLIAM E. SAUNDERS FUND (\$8,096 85)

In accordance with the will of Abigail L. Prentiss, the residue, after the termination of certain annuities, was paid to the Trustees of the Cambridge Public Library, the annual income to be used for the purchase of books to be placed in the William E. Saunders Alcove, and for the care of same. This alcove is assigned to books on genealogy.

| | | |
|---|----------|------------|
| Balance on deposit, March 31, 1920..... | \$505 12 | |
| Receipts | 332 73 | |
| | | \$837 85 |
| Expenditures | | 441 38 |
| Balance on deposit, March 31, 1921 | | 396 47 |
| The principal is invested in Cambridge bonds, Nos. 544 and 545 | | 7,000 00 |
| Deposited in Cambridgeport Savings Bank | | 700 38 |
| | | \$8,096 85 |

March 31, 1921.

The Trust Funds—Continued**JAMES A. WOOLSON FUND (\$5,000)**

By the bequest of James A. Woolson, the sum of five thousand dollars was paid to the Trustees of the Cambridge Public Library, the income only to be used for the purchase of books. In each book purchased there is placed an appropriate book-plate.

| | | |
|---|----------|------------|
| Balance on deposit, March 31, 1920..... | \$301 71 | |
| Receipts | 214 74 | |
| | | \$516 45 |
| Expenditures | | 79 95 |
| | | <hr/> |
| Balance on deposit, March 31, 1921..... | | \$436 50 |
| | | <hr/> |
| The principal is invested in Cambridge Bond No. 701 | | \$5,000 00 |

EDWARD H. WHORF FUND

| | | |
|--|----------|------------|
| Balance on deposit, March 31, 1920..... | \$691 29 | |
| Receipts | 81 25 | |
| | | \$772 54 |
| Expenditures | | 77 21 |
| | | <hr/> |
| Balance on deposit, March 31, 1921 | | \$695 33 |
| | | <hr/> |
| The principal is invested in three American Telephone and Telegraph Cmpany bonds, Nos. 9755, 9756 and 9759 | | \$3,000 00 |

WILLIAM PENN HARDING FUND (\$1,000)

By a bequest to the City, on behalf of the Public Library, the sum of \$1,000, in accordance with the will of William Penn Harding, the money was turned over to the City Treasurer. The annual income shall be paid to the Trustees of the Public Library and is to be expended in the purchase of recent books on science, art or travel of a popular and instructive character. Said bequest shall be designated the William Penn Harding Fund, which designation shall be printed in all the books so purchased.

| | | |
|---|---------|------------|
| Balance on deposit, March 31, 1920 | \$87 92 | |
| Receipts | 48 05 | |
| | | \$135 97 |
| Expenditures | | 92 22 |
| | | <hr/> |
| Balance on deposit, March 31, 1921 | | \$43 75 |
| Principal deposited in East Cambridge Savngs Bank | | \$1,000 00 |

Treasurer's Report of the William Penn Harding Fund

| | |
|---|------------|
| March 31, 1914—Deposited in East Cambridge Savings Bank | \$1,000 00 |
| March 31, 1921—The interest on said fund, amounting to \$45.50, was paid to the trustees of the Public Library, in accordance with the provision of the gift. | |
| The passbook of the East Cambridge Savings Bank shows that on March 31, 1921, the amount on deposit was | 1,000 00 |

MEHITABLE C. C. WILSON FUND

| | | |
|--|----------|----------|
| Balance on deposit, March 31, 1920 | \$698 21 | |
| Receipts | 34 64 | |
| | | \$732 85 |
| | | <hr/> |
| Balance on deposit, March 31, 1921 | | \$732 85 |

The Trust Funds—Continued**ABIGAIL W. HOWE FUND**

| | | |
|--|----------|-------------------|
| Bequest, Jan. 3, 1920 | \$176 82 | |
| Receipts | 90 00 | |
| | | <hr/> |
| Expenditures | | \$266 82 |
| | | 235 31 |
| | | <hr/> |
| Balance on deposit, March 31, 1921 | | \$31 51 |
| | | <hr/> |
| Principal in City of Cambridge Bonds | | <u>\$3,000 00</u> |

SARAH E. RUSSELL FUND (\$814.41)

As provided in the will of Sarah E. Russell, of Cambridge, who died October 6, 1897, the sum of eight hundred fourteen dollars and forty-one cents was paid to the City by the executors of the will, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time of the Cambridge Almshouse." Mrs. Russell was the widow of Hon. Charles Theodore Russell, and the mother of Hon William E. Russell, each of whom served the city as Mayor.

| | |
|--|-----------------|
| Amount of deposit, March 31, 1920 | \$814 41 |
| Interest to March 31, 1921 | 37 04 |
| | <hr/> |
| | \$851 45 |
| Amount paid as per provision of bequest, Dec. 12, 1920 | 37 04 |
| | <hr/> |
| Balance in Cambridgeport Savings Bank, March 31, 1921 | <u>\$814 41</u> |

TREASURER'S REPORT OF THE SARAH E. RUSSELL FUND

The amount of the bequest was \$814.41, and was deposited in the Cambridgeport Savings Bank, where it now remains.

The interest accumulations, amounting to \$37.04 to Dec. 1, 1920, have been paid to Mr. John T. Shea, Superintendent of the City Home, and were used as stipulated in the will of Mrs. Russell.

HENRY F. LEHAN, City Treasurer.

March 31, 1921.

JOHN WESLEY FREESE FUND (\$109.98)

This is a fund of \$89.36 bequeathed by the late John Wesley Freese in November, 1914. This sum is to accumulate for twenty years, after which time not more than three-fourths of the annual income is to expended for books or works of art for the Houghton School.

TREASURER'S REPORT, JOHN WESLEY FREESE FUND

| | |
|---|-----------------|
| Nov., 1914—Deposit Cambridgeport Savings Bank | \$109 88 |
| March 31, 1921—Interest on fund to date | 5 25 |
| | <hr/> |
| March 31, 1921—Amount deposited in bank | <u>\$115 13</u> |

The Trust Funds—Concluded**TAILINGS ACCOUNT TRUST FUND**

This fund consists of various amounts due on payrolls and sundry drafts, which have remained in the hands of the Treasurer, awaiting payment to persons properly entitled to the same.

| | |
|--|------------|
| The amount of the Fund, March 31, 1920 | \$4,890 22 |
| Interest on Deposit to March 31, 1921 | 128 35 |
| | <hr/> |
| | \$5,018 57 |

| | | |
|--|-------|------------|
| Balance on deposit Harvard Trust Co., March 31, 1921 | <hr/> | \$5,018 57 |
|--|-------|------------|

**CITY AUDITOR'S STATEMENT OF PROVISIONS OF SECTION 54,
CHAPTER 41—GENERAL LAWS**

Under the provisions of Section 54, Chapter 41, General Laws, I hereby certify that I have this day examined the accounts, vouchers and securities belonging to the within Trust Funds, held for public use and find them to be correct and in excellent condition.

Attest:

CHARLES H. THURSTON, City Auditor.

March 31, 1921.

TAXES

The amount of taxes assessed by the Board of Assessors on the real and personal estates and polls of Cambridge, April 1, 1921 was as follows:

| | |
|--------------------------------|------------------|
| Valuation of real estate | \$124,436,700 00 |
| Valuation of personal | 17,268,272 00 |
| | <hr/> |
| | \$141,704,972 00 |

| | |
|--------------------------------------|----------------|
| Assessed at \$31.30 per \$1,000..... | \$4,435,365 62 |
| 36030 polls at \$2.00 | 72,060 00 |
| | <hr/> |
| | \$4,507,425 62 |

The tax is divided as follows:

| | |
|---|----------------|
| For city purposes* | \$3,549,329 64 |
| Deficit in Overlays of previous years | 13,771 50 |
| Overlay | 70,363 35 |
| | <hr/> |
| | \$3,633,464 49 |

State assessments:

| | |
|--|----------------|
| State | \$402,920 00 |
| Sewerage | 136,545 79 |
| Parks | 88,138 58 |
| Charles River Basin | 16,471 96 |
| Charles River Bridge, on account of bridge | 25,051 96 |
| Alewife Brook | 4,467 58 |
| Smoke nuisance | 657 98 |
| Prevention of fires | 1,770 44 |
| Auditing Accounts | 2,399 83 |
| Army and Navy Bonus | 18,994 80 |
| | <hr/> |
| | 697,481 92 |
| County assessments | 176,542 21 |
| | <hr/> |
| | \$4,507,425 62 |

| | |
|---|----------------|
| Increase in real estate valuation | \$5,714,000 00 |
| Decrease in personal valuation | 669,419 00 |
| | <hr/> |

| | |
|---|----------------|
| Increase in real and personal valuation over 1919 | \$5,044,581 00 |
| Increase of 4,937 polls since last year | <hr/> |

| | |
|---------------------------------|--------|
| Number of houses assessed | 16,128 |
| Number of horses assessed | 1,635 |
| Number of cows assessed | 26 |

*To meet the City expenses the estimate of income from various departments is added to this sum raised by taxation.

Statement of the valuations of the personal property and real estate of the City of Cambridge, with the number of polls, dwellings, and rate of taxation for the past twenty years:

| Year | Polls | Personal | Real Estate | Total | Dwellings | Rate per \$1,000 |
|-----------|--------|------------|-------------|-------------|-------------|------------------|
| 1899..... | 24,995 | 16,991,995 | 74,550,800 | 91,542,795 | 13,588 | 17 10 |
| 1900..... | 25,117 | 17,865,230 | 76,600,700 | 94,465,930 | 13,713 | 16 90 |
| 1901..... | 25,306 | 17,648,575 | 78,568,300 | 96,216,875 | 13,846½ | 16 90 |
| 1902..... | 25,680 | 17,742,985 | 80,396,900 | 98,139,885 | 13,8892-3 | 18 30 |
| 1903..... | 25,749 | 17,708,510 | 87,063,400 | 104,771,910 | 13,833 | 16 90 |
| 1904..... | 25,968 | 17,346,500 | 87,481,100 | 104,827,600 | 13,858 | 17 90 |
| 1905..... | 26,696 | 15,994,100 | 87,851,500 | 103,845,600 | 13,893 | 19 00 |
| 1906..... | 26,434 | 16,550,235 | 88,603,000 | 105,153,235 | 13,937½ | 18 60 |
| 1907..... | 26,064 | 17,773,990 | 89,235,300 | 107,009,290 | 14,0181-5 | 18 80 |
| 1908..... | 25,815 | 16,854,775 | 90,026,300 | 106,881,075 | 13,9695-6 | 20 10 |
| 1909..... | 25,898 | 16,118,635 | 90,839,500 | 106,958,135 | 14,0105-6 | 21 00 |
| 1910..... | 26,660 | 18,774,935 | 92,021,800 | 110,796,735 | 13,1501-3 | 20 10 |
| 1911..... | 26,810 | 17,409,635 | 94,171,600 | 111,581,235 | 14,1311-3 | 19 90 |
| 1912..... | 28,110 | 18,621,000 | 97,326,300 | 115,947,300 | 14,191 | 20 40 |
| 1913..... | 28,297 | 19,977,190 | 101,155,100 | 121,132,290 | 14,2831-3 | 21 40 |
| 1914..... | 28,620 | 23,054,995 | 104,836,400 | 127,891,395 | 14,5087-12 | 21 40 |
| 1915..... | 28,858 | 23,096,810 | 107,014,000 | 130,110,810 | 14,4711-3 | 23 00 |
| 1916..... | 28,939 | 23,381,270 | 108,258,300 | 131,639,570 | 14,4692-3 | 23 50 |
| 1917..... | 29,127 | 14,660,200 | 116,868,400 | 131,597,962 | 14,3901-6 | 23 50 |
| 1918..... | 31,184 | 16,385,984 | 118,175,700 | 134,520,700 | 14,4158-15 | 25 00 |
| 1919..... | 31,093 | 17,937,691 | 118,722,700 | 136,660,700 | 14,34613-15 | 28 30 |
| 1920..... | 36,030 | 17,268,272 | 124,436,700 | 141,704,972 | 16,1283 4 | 31 30 |

Abatements upon taxes for the past twenty years, and amount of tax uncollected March 31, 1921.

| Year | Total Tax | Total Abatements | Amount of Tax uncollected March 31, 1921 |
|-----------|----------------|------------------|--|
| 1899..... | \$1,623,592 35 | \$35,317 61 | ..... |
| 1900..... | 1,654,588 36 | 33,005 90 | ..... |
| 1901..... | 1,683,690 84 | 24,390 38 | ..... |
| 1902..... | 1,854,557 82 | 30,013 44 | ..... |
| 1903..... | 1,828,456 95 | 41,525 33 | ..... |
| 1904..... | 1,934,772 56 | 50,088 47 | ..... |
| 1905..... | 2,031,457 20 | 48,886 73 | ..... |
| 1906..... | 2,012,805 80 | 61,528 79 | ..... |
| 1907..... | 2,038,170 44 | 63,481 85 | ..... |
| 1908..... | 2,204,263 62 | 53,504 40 | ..... |
| 1909..... | 2,302,311 40 | 41,954 80 | ..... |
| 1910..... | 2,283,435 10 | 38,962 37 | ..... |
| 1911..... | 2,274,086 57 | 32,762 63 | ..... |
| 1912..... | 2,421,544 92 | 77,572 52 | ..... |
| 1913..... | 2,527,962 72 | 61,195 94 | \$332 60 |
| 1914..... | 2,806,390 01 | 66,369 44 | 506 62 |
| 1915..... | 3,072,471 19 | 69,625 56 | 653 60 |
| 1916..... | 3,162,823 18 | 56,269 48 | 31,879 10 |
| 1917..... | 3,169,920 60 | 94,631 36 | 33,958 89 |
| 1918..... | 3,426,410 10 | 81,869 60 | 43,347 22 |
| 1919..... | 3,929,675 07 | 60,749 10 | 224,352 30 |
| 1920..... | 4,512,800 71 | 72,217 66 | 807,200 55 |

**ABATEMENT CERTIFICATES ALLOWED BY BOARD
OF ASSESSORS**

| | |
|--|-------------|
| Taxes, Real, Personal and Poll, 1920 | \$90,744 66 |
| Taxes, Real, Personal and Poll, 1919 | 5,827 37 |
| Taxes, Real, Personal and Poll, 1918 | 2,654 50 |
| Taxes, Real, Personal and Poll, 1917 | 103 40 |
| Taxes, Real, Personal and Poll, 1916 | 39 95 |
| Taxes, Real, Personal and Poll, 1915 | 173 90 |
| Street Watering Assessments, 1916 | 4 08 |
| Moth Assessments, 1920 | 2 60 |
| Total | \$99,550 46 |

BORROWING CAPACITY

The valuation of estates in this City for the years 1918, 1919 and 1920 are the same as originally made by the Board of Assessors during those years, and the same figures were reported by that Board to the Tax Commissioners for each of the years respectively. The valuations were subject to changes in each year, after such report was made, as shown by the following:

Net valuations of estates in the City of Cambridge, for the past three years, after adding the amounts of all supplementary warrants and deducting therefrom all abatements up to and including December 31, 1920:

| Year | Total Valuation | Abatements | Net Valuation |
|------------|------------------------|----------------------|------------------------|
| 1918 | \$134,595,000 00 | \$3,042,500 00 | \$131,522,500 00 |
| 1919 | 137,747,491 00 | 2,351,800 00 | 135,395,691 00 |
| 1920 | 142,366,972 00 | 1,794,000 00 | 140,572,972 00 |
| | <hr/> \$414,709,463 00 | <hr/> \$7,188,300 00 | <hr/> \$407,521,163 00 |

Showing an average valuation for the years 1918, 1919 and 1920 of \$135,840,387.66.

This sum represent the amount upon which the limit of municipal indebtedness is fixed under provision of Section 10, Chapter 44 of the General Laws.

Two and one-half per cent ($2\frac{1}{2}\%$) on same is \$3,396,009 69

Entire City Debt on December 31, 1920 was\$8,959,350 00

Of this amount the following loans are "Outside"
the legal debt limit, being exempted by the
following Acts of Legislature:

Cambridge Bridge Loan:

| | |
|--------------------------------------|----------------|
| Acts of 1898, Chap. 467, Funded.... | \$1,640,000 00 |
| Acts of 1898, Chap. 467, Serial..... | 50,000 00 |

Brookline Bridge Approach:

| | |
|-------------------------------------|-----------|
| Acts of 1898, Chap. 467, Funded.... | 25,000 00 |
| Acts of 1898, Chap. 361, Funded.... | |

Commercial Avenue Bridge:

| | |
|-------------------------------------|-----------|
| Acts of 1903, Chap. 372, Funded.... | 50,000 00 |
|-------------------------------------|-----------|

Cambridge Bridge Special Loans:

Charles River Dam:

| | |
|-------------------------------------|-----------|
| Acts of 1904, Chap. 158, Funded.... | 28,000 00 |
|-------------------------------------|-----------|

Harvard Bridge Loan:

| | |
|-------------------------------------|-----------|
| Acts of 1887, Chap. 282, Funded.... | |
| Acts of 1888, Chap. 73, Funded.... | 70,000 00 |
| Acts of 1891, Chap. 316, Funded.... | |

Park Loan:

| | |
|-------------------------------------|--------------|
| Acts of 1892, Chap. 341, Funded.... | |
| Acts of 1893, Chap. 337, Funded.... | |
| Acts of 1894, Chap. 89, Funded.... | |
| Acts of 1897, Chap. 469, Funded.... | 1,600,000 00 |
| Acts of 1899, Chap. 221, Funded.... | |
| Acts of 1912, Chap. 578, Funded.... | |
| Acts of 1912, Chap. 578, Serial.... | 78,000 00 |

Sewer Loan:

| | |
|--------------------------------------|------------|
| Acts of 1899, Chap. 473, Funded.... | |
| Acts of 1899, Chap. 189, Funded.... | 399,000 00 |
| Acts of 1903, Chap. 383, Funded.... | 267,000 00 |
| Acts of 1903, Chap. 383, Serial..... | 54,500 00 |

Amounts carried forward..... \$4,261,500 00 \$8,959,350 00 \$3,396,009 69

Borrowing Capacity—Concluded

| | | | |
|---|----------------|----------------------------|----------------|
| Amounts brought forward | \$4,261,500 00 | \$8,959,350 00 | \$3,396,009 50 |
| Hospital Loan: | | | |
| Acts of 1895, Chap. 99, Funded.... | 150,000 00 | | |
| Cambridge City Hospital Loan: | | | |
| Acts of 1911, Chap, 545, Serial..... | 109,500 00 | | |
| Acts of 1919, Chap. 103, Serial..... | 142,000 00 | | |
| Metropolitan Park Assessment: | | | |
| Acts of 1908, Chap. 367, Funded.... | 46,000 00 | | |
| Playground Loan: | | | |
| R. L. Chap. 27, Sec. 11, Funded..... | 95,000 00 | | |
| R. L. Chap. 27, Sec. 11, Serial..... | 24,500 00 | | |
| Charles River Basin Assessment: | | | |
| Acts of 1911, Chap. 463, Funded..... | 60,000 00 | | |
| | | <u>\$4,888,500 00</u> | |
| Available "Inside" Debt Limit | | \$4,070,850 00 | |
| The entire Sinking Fund is | \$3,610,536 69 | | |
| Of this amount there should be de- | | | |
| ducted on account of Exempted | | | |
| Loans as follows: | | | |
| Cambridge Bridge, | \$395,238 26 | | |
| Harvard Bridge | 108,484 61 | | |
| Brookline Bridge | 6,040 27 | | |
| Commercial Ave Bridge | 12,080 61 | | |
| Park | 872,278 05 | | |
| Improved Sewerage | 231,115 29 | | |
| Hospital | 71,144 08 | | |
| Met. Park Assessment | 25,526 75 | | |
| Cambridge Bridge Spe- | | | |
| cial | 13,305 81 | | |
| Sep. System of Drain- | | | |
| age | 89,609 64 | | |
| Playgrounds | 25,629 22 | | |
| Charles River Basin | 57,128 33 | | |
| Camb. Bridge, B. E. R. | 257,500 00 | | |
| | | <u>2,165,080 93</u> | |
| Sinking Fund of Exempted Loans | | | |
| Leaving Sinking Fund for General Loans | | <u>1,445,455 76</u> | |
| Net City Debt, December 31, 1920 | | 2,625,394 24 | |
| Borrowing Capacity for City purposes for 1921 | | <u><u>\$770,615 04</u></u> | |

1920 VALUATION AND TAX LEVY

| Book | Personal with Banks | Real Estate | Total with Banks |
|------|------------------------|------------------|---------------------|
| 1 | \$5,704,900 00 | \$28,390,700 00 | \$34,095,600 00 |
| 2 | 1,685,300 00 | 17,959,800 00 | 19,645,100 00 |
| 3 | 2,835,100 00 | 18,034,800 00 | 20,869,900 00 |
| 4 | 2,845,500 00 | 19,392,800 00 | 22,238,300 00 |
| 5 | 1,626,500 00 | 19,911,100 00 | 21,537,600 00 |
| 6 | 2,570,972 00 | 20,747,500 00 | 23,318,472 00 |
| | <hr/> | <hr/> | <hr/> |
| | \$17,268,272 00 | \$124,436,700 00 | \$141,704,972 00 |

| Bank | Resident | Non-Resident | Total |
|------------------------|-------------|--------------|--------------|
| Lechmere National | \$45,552 00 | \$58,448 00 | \$104,000 00 |
| Manufacturers National | 46,720.00 | 113,280 00 | 160,000 00 |
| | <hr/> | <hr/> | <hr/> |
| Totals | \$92,272 00 | \$171,728 00 | \$264,000 00 |

WARRANTS

| | |
|--|----------------|
| City | \$3,549,329 64 |
| Deficits in Overlays | 13,771 50 |
| County..... | 176,542 21 |
| State | 402,920 00 |
| Special Bonus | 18,994 80 |
| Metropolitan Park | 88,138 58 |
| Metropolitan Sewer | 136,545 79 |
| Fire Prevention | 1,770 44 |
| Alewife Brook | 4,467 58 |
| Charles River Basin on Account of Bridge | 25,051 96 |
| Charles River Basin | 16,471 96 |
| Gas and smoke | 657 98 |
| Auditing account | 2,399 83 |
| | <hr/> |
| Total | \$4,437,062 27 |
| Less 36,030 Polls at \$2.00 | 72,060 00 |
| | <hr/> |
| | \$4,365,002 27 |
| Overlay | 70,363 35 |
| | <hr/> |
| Total | \$4,435,365 62 |

SCHEDULE B.

No. IX.

LIST OF CITY PROPERTY

AS FURNISHED BY

Executive Boards and Heads of Departments

FOR YEAR

1920 — 1921

LAW DEPARTMENT

| | |
|---|----------|
| 1 roll top desk and chair | \$25 00 |
| Revised Laws, Public Statutes, etc. | 15 00 |
| Dillon on Municipal Corporations, and other law books | 75 00 |
| 2 filing cabinets | 100 00 |
| Typewriter | 100 00 |
| Book case | 30 00 |
| Desk and chair | 40 00 |
| | <hr/> |
| | \$385 00 |

PUBLIC PROPERTY DEPARTMENT

CITY BUILDINGS

| | Feet of Land | Purchase of Land | Erection of Buildings | Valua- tion of Land | Valua- tion of Buildings | Valua- tion of Furniture |
|-------------------------|-----------------|---------------------|-----------------------------|---------------------------|--------------------------------|--------------------------------|
| City Hall..... | 47,878 | 1888 | 1888 | \$100,000 | \$180,000 | \$34,800 |
| Brattle Sq. Building... | 16,153 | 1873 | 1874 | 35,700 | 60,000 | 2,500 |
| Central Sq. Building... | 13,028 | 1872 | 1873 | 13,000 | 60,000 | 2,436 |
| Station 3..... | 4,220 | 1862 | 1870 | 2,500 | 17,800 | 800 |
| Station 4..... | 6,316 | 1872 | 1873 | 5,600 | 21,200 | 300 |
| | | | | <hr/> | <hr/> | <hr/> |
| | | | | \$156,800 | \$339,000 | \$40,836 |

| | | |
|---|----------|------------|
| Voting booth corner, Cambridge and Hampshire Streets | \$500 00 | |
| Five portable voting booths | 2,500 00 | |
| Voting compartments and fixtures (500) | 2,500 00 | |
| | <hr/> | \$5,500 00 |

PERSONAL PROPERTY

| | | |
|--|-------|----------|
| 2 Ford touring car and equipment | <hr/> | \$700 00 |
|--|-------|----------|

PROPERTY IN USE BY THE POLICE DEPARTMENT

Following is a list of property owned by the Police Department for the year 1920:

| | | | |
|---------------------------|------------|--------------------------|-------------|
| 4 ambulances (motor) | \$6,000 00 | 1 private telephone | |
| 1 automobile | 1,200 00 | system | 200 00 |
| 3 book cases | 20 00 | 195 police belts | 390 00 |
| 9 blankets | 10 00 | 200 police badges | 200 00 |
| 1 Bertillion book | 1 00 | 200 police clubs | 200 00 |
| 4 Beds and bedding .. | 20 00 | 200 police manuals | 100 00 |
| 1 camera and stand | 65 00 | 2 pulmotors | 200 00 |
| 175 cap insignias | 85 00 | 2 portable search | |
| 1 copy press | 50 | lights | 35 00 |
| 74 chairs | 288 00 | 195 patrol box keys | 65 00 |
| 1 chiffonier | 3 00 | 4 pails | 4 00 |
| 11 clocks | 25 00 | 1 rug | 50 00 |
| 17 cuspidors | 8 00 | 192 revolvers | 3,840 00 |
| 1 couch | 3 00 | 2 rogues galleries | 100 00 |
| 21 desks | 295 00 | 1 settee | 2 00 |
| 3 desk lamps (electric) | 10 00 | 3 safes | 45 00 |
| 195 diaries | 195 00 | 200 feet of rope | 20 00 |
| 6 directories | 36 00 | 2 straight jackets | 2 00 |
| 3 filing cabinets | 500 00 | 7 sets of law books | 35 00 |
| 195 fire alarm keys | 50 00 | 4 sets of first aid | |
| 5 finger print outfits | 10 00 | charts | 8 00 |
| 2 grappling irons | 3 00 | 3 wardrobes | 10 00 |
| 7 handcuffs | 28 00 | 10 waste baskets | 10 00 |
| 3 ice water tanks | 6 00 | 5 tables | 10 00 |
| 1 leg iron | 5 00 | 2 typewriters | 40 00 |
| 24 lanterns | 24 00 | 23 traffic belts | 92 00 |
| 1 lungmotor | 150 00 | 1 underground gas - | |
| 3 medicine cabinets | 15 00 | oline tanks | 35 00 |
| 3 messenger bags | 15 00 | | |
| 10 mirrors | 10 00 | | |
| 1 motorcycle | 500 00 | | |
| | | | <hr/> |
| | | | \$15,273 50 |

FIRE DEPARTMENT

REAL ESTATE

| Buildings | Location | Land Purchase | Erection of Buildings | Land, Sq. Feet | Assessed Value | |
|--------------------|---------------------------|---------------|-----------------------|----------------|----------------|-----------|
| | | | | | Land | Buildings |
| Engine House No. 1 | 108 Mt. Auburn St.... } | ..... | ..... | In City | Buildings | schedu |
| Ladder House No. 1 | Eliot Square..... } | | | | | |
| Engine House No. 2 | { 384-391 Mass. Ave.... } | Owned by | | | | |
| Ladder House No. 3 | | City | 1893 | 10,000 | \$12,500 | \$24,0 |
| Engine House No. 3 | 35 Third Street..... | 1895 | 1895 | 10,100 | 6,600 | 20,4 |
| Engine House No. 4 | Mass. Ave. and Blake St.. | 1896 | 1896 | 9,532 | 9,200 | 24,9 |
| Engine House No. 5 | Inman Square..... | Owned by | | | | |
| | | City | 1913-1914 | 6,000 | 7,000 | 48,0 |
| Engine House No. 6 | 176 River Street..... | 1890 | 1890-1891 | 4,994 | 3,000 | 12,0 |
| Engine House No. 7 | 350 Main Street..... | Owned by | | | | |
| Engine House No. 8 | { Junction of Garden and | City | 1894-1895 | 9,400 | 8,500 | 15,9 |
| Ladder House No. 4 | { Sherman Street..... | 1903 | 1904-1905 | 10,380 | 3,600 | 30,0 |
| Chemical Engine | | | | | | |
| House No. 1..... | 5 Western Avenue..... | ..... | ..... | In City | Buildings | schedu |
| Chemical Engine | | | | | | |
| House No. 2..... | 167 Lexington Avenue.. | 1893 | 1894 | 15,262 | 4,900 | 6,2 |
| | | Owned by | | | | |
| Ladder House No. 2 | 276 Portland Street..... | City | 1887 | 7,610 | 4,900 | 12,0 |
| | | | | | \$60,200 | \$193,4 |

PERSONAL PROPERTY

Estimated Value, March 31, 1917

| | | |
|--------------------------|--------------|--------------|
| Apparatus | \$140,500 00 | |
| Bedding, etc. | 7,500 00 | |
| Hardware and tools | 2,000 00 | |
| Horses and harness | 1,800 00 | |
| Miscellaneous | 1,000 00 | |
| | | \$152,800 00 |

FIRE ALARM AND POLICE TELEGRAPH

ELECTRICAL DEPARTMENT, WIRE ACCOUNT, EQUIPMENT

| | | |
|--|-------------|-------------|
| Fire alarm apparatus and machinery | \$20,000 00 | |
| Fire alarm and police telegraph circuits | 10,000 00 | |
| 147 Fire alarm boxes | 12,715 00 | |
| Police signal apparatus and machinery | 4,000 00 | |
| 102 police boxes | 11,450 00 | |
| Police signal reserve apparatus | 100 00 | |
| Testing instruments | 150 00 | |
| Tools | 100 00 | |
| Stock on hand | 200 00 | |
| Automobile truck | 500 00 | |
| Ford runabout | 450 00 | |
| Touring car | 300 00 | |
| Office furniture | 450 00 | |
| | | \$60,415 00 |

HEALTH DEPARTMENT

REAL ESTATE

799 Concord Avenue—Tuberculosis Hospital

| | | |
|--|-------------|--------------|
| Value of buildings | \$92,600 00 | |
| Value of land | 9,800 00 | |
| | | \$102,400 00 |
| Linen and bedding | \$2,500 00 | |
| Instruments and nursing utensils | 150 00 | |
| Dishes and kitchen utensils | 300 00 | |
| General furnishing | 4,000 00 | |
| | | 6,950 00 |
| | | \$109,350 00 |

PERSONAL PROPERTY

In office:

| | | |
|---|----------|----------|
| 7 desks and 6 desk chairs | \$150 00 | |
| Card cabinet and letter files | 650 00 | |
| Dictionary and 3 atlases | 25 00 | |
| Typewriting machine and desk | 75 00 | |
| Stationery and sundries | 250 00 | |
| Medical books | 100 00 | |
| Duplicator and supplies | 20 00 | |
| Duplicator and supplies | 20 00 | |
| Disinfecting apparatus and supplies | 25 00 | |
| | | 1,295 00 |

In laboratory:

| | | |
|--|---------|--------|
| Microscope | \$75 00 | |
| Incubator and thermo-regulator | 35 00 | |
| Sterilizing oven | 2 25 | |
| Test tubes | 5 00 | |
| Diphtheria, sputum, and typhoid outfits | 175 00 | |
| Laboratory supplies | 100 00 | |
| Cards, card cabinet, stamps and stamp rack | 50 00 | |
| | | 442 25 |

At stable and garage:

| | | |
|--------------------------|------------|--------------|
| Ambulance | \$2,000 00 | |
| Ambulance blankets | 25 00 | |
| | | 2,025 00 |
| | | \$113,112 25 |

INSPECTION OF MILK AND VINEGAR

In laboratory:

| | | |
|--------------------------------------|---------|--|
| Electric centrifuge | \$40 00 | |
| Intermission refractometer | 100 00 | |
| Zeiss refractometer..... | 75 00 | |
| Drying oven | 6 00 | |
| Water bath | 5 00 | |
| Polariscope | 20 00 | |
| Analytical balance and weights | 45 00 | |
| Platinum dishes (7) | 400 00 | |

Amount carried forward \$691 00

Inspection of Milk and Vinegar—Concluded

| | | |
|--|----------|------------|
| Amount brought forward | \$691 00 | |
| Chemicals and glassware | 20 00 | |
| Office furniture (desk and chairs) | 10 00 | |
| Discarded apparatus | 5 00 | |
| High speed centrifuge (1) | 25 00 | |
| Autoclave and furnishings | 100 00 | |
| Milk collecting outfit | 15 00 | |
| Apparatus for plating bacteria | 8 00 | |
| Petri dishes | 5 00 | |
| 1 automobile | 500 00 | |
| | | <hr/> |
| | | \$1,404 00 |

CAMBRIDGE CEMETERY

| | | |
|----------------------------|-------------|-------------|
| 61,113 acres of land | \$66,900 00 | |
| 1 office building | 2,500 00 | |
| 1 house | 3,500 00 | |
| 1 stable and shed | 1,000 00 | |
| Steel storage shed | 600 00 | |
| Personal property | 5,000 00 | |
| | | <hr/> |
| | | \$79,500 00 |

MUNICIPAL HOSPITAL

| | | |
|--|-------------|--------------|
| Land—Cambridge St., Lime St. and Camelia Ave. | \$61,200 00 | |
| Old buildings | 14,000 00 | |
| New buildings | 100,000 00 | |
| Instruments and apparatus | 7,000 00 | |
| Furnishings and equipment | 20,000 00 | |
| | | <hr/> |
| | | \$212,200 00 |

SEALER OF WEIGHTS AND MEASURES DEPARTMENT**INVENTORY OF PROPERTY**

Standards furnished by the Commonwealth

- 1 Balance—5 grains to 100 lbs.
- 1 Set (5) Avoirdupois Weights, 50-lb., 25-lb., 10-lb., 5-lb.
- 1 Set (11) Avoirdupois Weights, 4 lb. to 1-16 oz.
- 1 Kilogramme in case.
- 1 Steel Meter in case.
- 1 Brass Yard Measure.
- 1 Set (5) Iron Dry Measures, 1-2 bush. to 1 quart.
- 1 Set (6) Iron Liquid Measures, 1 gallon to 1 gill.

OFFICE FURNITURE

| | |
|---------------------|-----------------------------|
| 1 Roll Top Desk | 1 Sink |
| 1 Black Walnut Desk | 5 Mats |
| 5 Chairs | 1 Set Revised Laws |
| 1 Table | 1 Set Card Records—Oak Case |
| 1 Clothes Press | 1 Set Card Index—Oak Case |
| 1 Scale Cabinet | 1 Hektograph |
| 1 Wooden Cabinet | 1 Letter Press |
| 2 Benches | 1 Blotter Bath |

Sealer of Weights and Measures—Concluded

MISCELLANEOUS

| | |
|--|----------|
| Miscellaneous books | \$200 00 |
| 1 Express Wagon | 100 00 |
| 1 Fung | 23 00 |
| 2 Harnesses | 70 00 |
| 3 Plush Robes | 24 00 |
| 1 Stable Blanket | 2 00 |
| 1 Rain Blanket | 2 00 |
| 1 Woolen Blanket | 8 00 |
| 1 Halter | 75 |
| 1 Hitch Weight | 50 |
| 1 Balance Scale | 88 69 |
| 1 Platform Scale, 1-2 to 2,500 lbs. | 75 00 |
| 1 Folding Platform Scale, 1-4 lb. to 600 lbs. | 30 00 |
| 1 Balance, 1-10 milligramme to 500 grammes | 35 00 |
| 1 Balance, 1-50 grain to 1-2 lb. | 15 00 |
| 1 Sealer's Balance, 1 grain to 100 lbs. | 150 00 |
| 2 Leather tool bags | 9 50 |
| 1 Sealer's Balance, 1 grain to 8 lbs. | 50 00 |
| 2 Sealer's Trip Scales (not used) | 5 00 |
| 1 Spring Scale, 1 lb. to 125 lbs. | 1 00 |
| 2 Sets (19) Avoirdupois Weights, 4 lb. to 1-8 oz. | 10 00 |
| 1 Set (9) Troy Weights, 16 oz. to 1-8 oz. | 3 00 |
| 1 Set (13) Metric Weights, 1 kilo to 1 gramme | 5 00 |
| 5 Boxes Miscellaneous Weights (not standardized) | 10 00 |
| 1 Set (3) Iron Weights, 25-lb., 10-lb., 5-lb. | 5 00 |
| 40 50-lb. Weights | 100 00 |
| 3 Glass Graduates | 1 00 |
| 1 Arch | 2 00 |
| 2 Ford automobiles | 1,093 79 |
| 4 Sets Apothecary Weights | 26 00 |
| 1 Set (21) Grain Weights, 1,000 gr. to 1-1000 gr. | 13 50 |
| 1 Set (21) Metric Weights, 50 gram to 1-10 | 13 50 |
| 1 Set (5) Copper Dry Measures, 1-2 bushel to 1 quart | 45 00 |
| 1 Set (3) Brass Dry Measures, 1 quart to 1-2 pint | 5 00 |
| 2 Sets (14) Copper Liquid Measures, 1 gal. to 1 gill | 30 00 |
| 1 Yard Measure | 1 50 |
| 1 Iron Truck | 5 00 |
| 1 5-gal. Copper Measure | 15 00 |
| 1 Steel Tape | 10 00 |
| 1 Pair of Inside Calipers | 3 50 |
| 1 Set Brands | 3 00 |
| 1 Plumbers' Furnace | 5 00 |
| Miscellaneous Tools | 50 00 |
| 3 Record Books | 15 00 |
| 4 Branding Irons | 18 00 |

\$2,378 23

CITY HOME

Thirty-two acres land bought August 7, 1849.

Present City Home completed and placed under the care of the Overseers of the Poor, April 3, 1851.

| | |
|-------------------------------------|--------------------|
| Land cost | \$12,000 00 |
| City Home cost | 32,379 69 |
| Fences, furniture, etc., cost | 3,000 00 |
| Total | <u>\$47,970 00</u> |

| | |
|---|-------------------|
| Hospital cottage on City Home ground built in 1866, moved and rebuilt in 1901, cost | \$2,800 00 |
| Two-story brick building erected 1888, cost | 5,600 00 |
| Alterations and Addition to City Home, 1916 | 57,711 95 |
| Land situated in Cambridge | 14 242-1000 acres |
| Land situated in Somerville | 4 454-1000 " |
| Lands (salable) on plan of April 10, 1884: | |
| 30 lots of 5,000 ft. (in Somerville) | 3 443-1000 " |

| | |
|---------------------------|-------------------|
| Total acres of land | 22 139-1000 acres |
|---------------------------|-------------------|

About seven acres of City Home land lying south of Broadway in West Somerville have been sold for house lots. The remaining lots (30) contain 150,000 square feet, and have been held at a valuation of four cents per square foot, but at the present time are assessed for about ten cents.

The valuation of the City Home real estate by the assessors is:

| | |
|-------------------------------|---------------------|
| Land in Cambridge | \$52,200 00 |
| Buildings in Cambridge | 43,300 00 |
| Land in Somerville | 39,700 00 |
| Buildings in Somerville | 3,200 00 |
| Total | <u>\$138,400 00</u> |

INVENTORY OF PERSONAL PROPERTY AT CITY HOME

April 1, 1920

| | |
|---|-------------------|
| Bookkeeping account books, stationery, etc. | \$150 00 |
| Drugs, medicines and hospital supplies | 200 00 |
| Dry goods, clothing, bedding, furniture, carpets, etc. | 6,000 00 |
| Groceries and provisions | 1,500 00 |
| | <u>\$7,850 00</u> |

Farm and Stable:

| | |
|---|--------------------|
| 2 horses, 32 fowls, 350 hot-bed sashes, 50 straw mats, 150 shutters, 5 wagons, 3 pungs, 4 harnesses, farming implements, tools, fertilizer, etc. | 3,000 00 |
| Total | <u>\$10,850 00</u> |

**INVENTORY OF PERSONAL PROPERTY AT OVERSEERS' OFFICE,
CENTRAL SQUARE BUILDING, April 1, 1920**

| | |
|---|-------------------|
| Office furniture, filing cases, bookcases, typewriters, books stationery, etc. | \$700 00 |
| City Physicians office—Instruments, microscope, operating table, furniture, medicine, etc. | 350 00 |
| Total | <u>\$1,050 00</u> |

**ENGINEERING DEPARTMENT
PERSONAL PROPERTY**

| | |
|--|---------------------|
| 7 books at \$3.00 each | \$21 00 |
| 46 vols. engineering papers, at \$2.50 each | 115 00 |
| 4 logarithm books | 4 00 |
| 1 pantagraph | 10 00 |
| 2 planimeters, at \$20.00 each | 40 00 |
| 2 numbering machines, at \$5.00 each | 10 00 |
| 1 typewriter | 50 00 |
| Drawing instruments, pens, compasses, etc. | 50 00 |
| Drawing materials and paper | 15 00 |
| Wye level | 50 00 |
| Dumpy level, \$40, hand level, \$5.00 | 45 00 |
| 2 transits, at \$100.00 each | 200 00 |
| Level, line and sounding rods | 45 00 |
| 4 tapes | 20 00 |
| Testing pans, moulds, etc. | 10 00 |
| Testing machinery | 25 00 |
| Electric motor | 4 50 |
| Furniture in office | 200 00 |
| Photograph outfit | 100 00 |
| Rain gauges, standard and self-recording | 75 00 |
| Plans (estimated value) 13,700 at \$10 | 137,000 00 |
| 480 field, survey, line and level books, estimated value \$20.00 | 9,600 00 |
| 64 house books, estimated value \$10.00 | 640 00 |
| Total | <u>\$148,329 50</u> |

**SEWER DEPARTMENT
REAL ESTATE**

| Location | Buildings | Erected | Purchased | Feet of Land | Assessors' Valuation of Land | Assessors' Valuation of Buildings |
|---------------------|-----------|---------|-----------|--------------|------------------------------|-----------------------------------|
| Pilgrim Street..... | Stable | 1887 | | | | |
| | | 1881 | | | | |
| Pilgrim Street..... | Sheds | 1884 | | | | |
| | | 1892 | | | | |
| Pilgrim Street..... | House | 1890 | 1868 | 23,707 | \$12,800 | \$4,300 |
| | | | | Total.... | \$17,100 | |

SEWERS

164 miles of sewers which have cost to construct..... \$2,723,047 76

SEWER DEPARTMENT
PERSONAL PROPERTY—1921

| | |
|--|--------------------|
| 2 C. B. cleaning carts, iron | \$125 00 |
| 1 wagon express | 15 00 |
| 1 hoisting engine | 125 00 |
| 2 gasoline engines | 125 00 |
| 1 gasoline tamping machine | 50 00 |
| 2 ejectors | 50 00 |
| 1 Ford truck, 1920, Model T..... | 400 00 |
| 1 1-ton trailer for above | 35 00 |
| 1 Ford touring car, 1919, Model T | 255 00 |
| 1 Federal truck, 3½ tons, 1917, for cleaning C. B. | 4,500 00 |
| 1 Northway 2-ton truck, 1920 | 2,500 00 |
| 1 Guaranty 2-ton truck, 1918 | 400 00 |
| 1 pile driver and 2 hammers | 80 00 |
| 4 hand pumps and hose | 70 00 |
| 1 centrifugal pump | 25 00 |
| 1 street roller (horse) | 20 00 |
| 1 sewer cleaning machine, Healy | 200 00 |
| 3 tool houses | 75 00 |
| 6 dozen lanterns and globes | 50 00 |
| Tools and implements, shovels, picks, etc. | 300 00 |
| 400 feet fishing hose | 200 00 |
| Stock on hand, brick, castings, lumber, pipe, cement, etc..... | 400 00 |
| 1 Hauck thawing outfit | 90 00 |
| 6 rubber hats | 6 00 |
| 8 oil coats | 25 00 |
| 10 oil pants | 25 00 |
| 6 dozen rubber boots | 125 00 |
| 1 4-legged derrick and fitngs | 75 00 |
| Total | <u>\$10,316 00</u> |

STREET DEPARTMENT
INVENTORY OF REAL AND PERSONAL PROPERTY
Real Estate

| Location | Buildings and Land | Erec- tion of Build- ings | Pur- chase of Land | Feet of Land | Valua- tion of Land | Valua- tion of Build- ings |
|-------------------|---|------------------------------------|-----------------------------|-----------------|---------------------------|-------------------------------------|
| Raymond St.... | City Yard and Stable, stable, sheds, scales etc..... | } 1897 | 1896 | 272,670 | \$27,300 | \$27,000 |
| | Incinerator plant..... | 1912 | .... | ..... | ..... | 5,000 |
| Hampshire St... | City Stable, sheds, sta- bles and scales, includ- ing old police station. | } 1885 | .... | 72,661 | 32,400 | 16,000 |
| E. S. Norfolk St. | Yard and pound..... | ..... | ..... | 34,650 | 13,900 | 300 |
| Acton, Mass.... | Land, gravel bank..... | ..... | 1896 | ..... | 3,000 | ..... |
| Main St..... | Land and incinerator plant..... | } 1908 | .... | 52,000 | 32,700 | 11,200 |
| | | | | | <u>\$109,300</u> | <u>\$59,500</u> |

PERSONAL PROPERTY

| | |
|---|---------------------|
| 110 horses | \$30,000 00 |
| 15 watering carts | 4,000 00 |
| 80 single and double carts | 8,000 00 |
| 125 sets harness | 2,000 00 |
| 3 concrete mixers, gasoline | 1,500 00 |
| 1 concrete mixer, steam | 5,000 00 |
| 9 automobiles | 3,500 00 |
| 3 five-ton trucks | 8,000 00 |
| 4 steam rollers | 12,000 00 |
| 22 Shadbolt carts | 8,000 00 |
| 1 Watson cart | 200 00 |
| 50 feet straight edgestone | 50 00 |
| 30,000 second hand vitrified brick | 600 00 |
| 60,000 recut blocks | 3,000 00 |
| 400 feet second hand flagging | 200 00 |
| 50 tons crushed stone | 100 00 |
| Oil storage, Portland Street | 1,000 00 |
| Oil storage, Raymond Street | 1,000 00 |
| Stone crushing plant, Raymond Street | 1,000 00 |
| Furnace, Main Street incinerator | 7,000 00 |
| Miscellaneous machinery | 600 00 |
| Miscellaneous tools, road machines, brooms, scrapers, machine brooms, waste barrels, push carts, etc..... | 9,000 00 |
| Miscellaneous wagons, plows, pungs, etc. | 2,000 00 |
| Stock of grain, hardware, paints, and general shop supplies.... | 1,000 00 |
| Total | <u>\$108,750 00</u> |

BRIDGE DEPARTMENT

PERSONAL PROPERTY

Cambridge and Boston Bridges

| | |
|---------------------------|-------------------|
| Harvard Bridge | \$750 00 |
| Prison Point Bridge | 750 00 |
| River Street Bridge | 500 00 |
| Cambridge Bridge | 100 00 |
| | <u>\$2,100 00</u> |

SCHOOLHOUSES

| | Feet of Land | Purchase of Land | Erection of Build- ings | Valuation of Land | Valuation of Buildings |
|-----------------------|--------------------|---------------------|-------------------------------|----------------------|---------------------------|
| Agassiz..... | 26,034 | 1874-1915 | 1875-1915 | \$11,800 | \$122,100 |
| Boardman..... | 10,018 | 1866 | 1868 | 4,500 | 17,500 |
| Bridge..... | 4,646 | 1836 | 1836 | 1,200 | ..... |
| Ellis..... | 25,700 | 1897 | 1898 | 7,600 | 50,000 |
| Felton..... | 15,090 | 1847 | 1848 | 7,000 | 14,500 |
| Fletcher..... | 24,364 | 1902 | 1903 | 8,600 | 94,400 |
| Gannett..... | 15,434 | 1876 | 1886 | 3,100 | 7,800 |
| Gore..... | 9,900 | 1871 | 1871 | 5,000 | 25,100 |
| Haggerty..... | 46,642 | 1880 | 1914 | 8,200 | 45,300 |
| Harvard..... | 20,494 | 1870 | 1871-1899 | 11,800 | 71,800 |
| High and Latin..... | { 74,366 79,579 | 1894 | 1891 1897 | 92,500 | 689,200 |
| Houghton..... | 20,306 | 1904 | 1904-1905 | 7,500 | 124,500 |
| Kelley..... | 25,536 | 1900 | 1902 | 9,400 | 80,000 |
| Lowell..... | 12,033 | 1883 | 1883 | 5,500 | 6,500 |
| Merrill..... | 37,828 | 1864 | 1864 | 21,400 | 45,000 |
| Morse..... | 25,650 | 1889 | 1890 | 11,100 | 80,400 |
| Parker..... | 12,319 | ..... | 1893 | 8,600 | 18,900 |
| Peabody..... | 37,296 | 1887 | 1888-1898 | 22,900 | 68,000 |
| Putnam..... | 14,400 | 1825 | 1889 | 8,700 | 65,900 |
| Reed..... | 12,000 | 1868 | 1868 | 1,700 | 4,000 |
| Rindge Technical..... | 97,128 | ..... | 1887 | 48,700 | 78,300 |
| Roberts..... | 16,400 | 1898 | 1898 | 9,900 | 96,000 |
| Russell..... | 63,596 | 1895 | 1896 | 19,800 | 52,900 |
| Shepard..... | 14,755 | 1855 | 1856-1873 | 10,900 | 29,300 |
| Sleeper..... | 36,584 | 1894 | 1894 | 8,400 | 30,000 |
| Tarbell..... | 19,500 | 1878 | 1882 | 6,800 | 12,300 |
| Taylor..... | 25,278 | 1894 | 1895 | 9,300 | 37,500 |
| Thorndike..... | 41,273 | 1911 | 1912 | 14,400 | 100,000 |
| Webster..... | 35,508 | 1866 | 1873-1885 | 11,100 | 154,600 |
| Wellington..... | 27,673 | 1875 | 1884-1909 | 11,500 | 133,000 |
| Washington Bldg..... | ..... | ..... | ..... | 14,400 | 138,200 |
| Willard..... | 20,079 | 1869 | 1870 | 8,000 | 26,100 |
| Wyman..... | 14,347 | 1871 | 1871-1886 | 4,600 | 5,900 |
| | | | | \$435,900 | \$2,525,000 |

SCHOOL DEPARTMENT

PERSONAL PROPERTY

| | |
|----------------------------------|---------------------|
| Text books | \$65,620 03 |
| Desk and reference books | 1,540 99 |
| Apparatus and machinery | 24,805 44 |
| Furniture and furnishings | 104,329 27 |
| Stock on hand in storeroom | 4,994 48 |
| Total | <u>\$201,290 21</u> |

PUBLIC LIBRARY

REAL AND PERSONAL ESTATE

| | | |
|--|--------------|---------------------|
| 141,666 feet of land, as per assessors' books..... | \$85,000 00 | |
| Library building, as per assessors' books | 95,300 00 | |
| | | \$180,300 00 |
| Estimated valuation of books in the library..... | \$100,000 00 | |
| Estimated valuation of interior furnishings..... | 10,000 00 | |
| Estimated valuation of books in the East Cambridge Branch Library | 5,000 00 | |
| Estimated valuation of furnishings in the East Cambridge Branch Library | 1,000 00 | |
| Estimated valuation of books in the North Cambridge Branch Library | 7,000 00 | |
| Estimated valuation of furnishings in the North Cambridge Branch Library | 1,600 00 | |
| Estimated valuation of books in the Cambridgeport Branch Library | 5,000 00 | |
| Estimated valuation of furnishings in the Cambridgeport Branch Library | 1,200 00 | |
| Estimated valuations of books in the Cambridge Field Branch Library | 3,000 00 | |
| Estimated valuation of furnishings in the Cambridge Field Branch Library | 1,000 00 | |
| Estimated valuation of books in the Mount Auburn Branch Library | 2,000 00 | |
| Estimated valuation of furnishings in the Mount Auburn Branch Library | 800 00 | |
| | | 137,600 00 |
| | | <u>\$317,900 00</u> |

The lot (about 590x240 feet) occupied by the library building is bounded by Broadway, Irving, Cambridge and Trowbridge streets. The land and buildings were presented to the City of Cambridge by Mr. Frederick H. Rindge in June, 1889, on the completion of the building, which was begun in the autumn of 1887. In 1894 a wing was added to the building at a cost to the city of \$20,000, and in 1902 an addition to the stack was made at an expense of about \$30,000.

The trustees of the library also hold the following funds, invested in the bonds of the City of Cambridge:

Citizens' Subscription Fund:

| | | |
|--|------------|------------|
| Liberty Bonds, 4 per cent | \$5,000 00 | |
| Sewer loan bond No. 47, due Oct. 1, 1925, 4 per cent | 500 00 | |
| | | \$5,500 00 |

Cummings Fund:

| | |
|----------------------------------|----------|
| Liberty Bonds at 4 per cent..... | 2,000 00 |
|----------------------------------|----------|

Fay Fund:

| | |
|--------------------------------------|----------|
| 10 Liberty Bonds at 3 per cent. | 1,000 00 |
|--------------------------------------|----------|

William Penn Harding Fund:

| | |
|---|----------|
| Deposited in East Cambridge Savings Bank, Book No. 58,916 | 1,000 00 |
|---|----------|

William E. Saunders Fund:

| | | |
|--|------------|----------|
| 4th Liberty Bonds at 3½ per cent..... | \$7,000 00 | |
| Deposited in Cambridgeport Savings Bank..... | 700 38 | |
| | | 7,700 38 |

PUBLIC LIBRARY—Concluded

| | |
|--|--------------------|
| Edward H. Whorf Fund: | |
| Three American Tel. & Tel. Co. bonds, Nos. 9755, 56, 57, due July 1, 1929, 4 per cent. | 3,000 00 |
| Mehitable C. C. Wilson Fund: | |
| Deposited in the Harvard Trust Savings Bank | 732 85 |
| James A. Woolson Fund | |
| 4th Liberty Bonds at 3½ per cent. | 5,000 00 |
| Abigail W. Howe Fund: | |
| Three \$1,000 Liberty Bonds, 3½ per cent. | 3,000 00 |
| Total | <u>\$28,933 23</u> |

PARK DEPARTMENT

LAND

| Commons and Squares | Square Feet | Valuation |
|--|-------------|--------------------|
| Garden Street, Massachusetts Avenue and Waterhouse Street | 370,784 | \$370,000 00 |
| Massachusetts Avenue and Peabody Street..... | 23,073 | 46,000 00 |
| Massachusetts Avenue, Cambridge Street and Kirkland Street | 33,357 | 66,000 00 |
| Massachusetts Avenue and Holmes Place..... | 20,956 | 41,900 00 |
| Massachusetts Avenue and Waterhouse Street | 13,180 | 19,800 00 |
| Broadway Common | 107,181 | 55,000 00 |
| Fort Washington | 42,123 | 21,100 00 |
| Dana Square | 33,531 | 18,000 00 |
| Hastings Square | 30,000 | 15,000 00 |
| Winthrop Square | 11,565 | 28,900 00 |
| Arsenal Square | 3,189 | 3,200 00 |
| Pleasant Street and River Street | 1,569 | 900 00 |
| Pleasant Street and Western Avenue | 1,272 | 1,000 00 |
| Massachusetts Avenue and Arrow Street..... | 872 | 2,200 00 |
| Longfellow Park | 93,618 | 35,300 00 |
| Washington Elm | 886 | 960 00 |
| Total | | <hr/> \$725,260 00 |

CITY PROPERTY

MISCELLANEOUS REAL ESTATE

| | | |
|--|--------|-------------------------|
| Lot on northwest corner Main and First Streets | 13,690 | \$24,600 00 |
| " " Clifton Street | 6,000 | 800 00 |
| " " Reed Street | 1,500 | 200 00 |
| " " Portland Street | 18,011 | 11,400 00 |
| " " Harvard (near Prospect Street) | 10,050 | 7,000 00 |
| " " New Street (Old Hospital site) | 30,940 | 2,300 00 |
| " " Reservoir Street (Old Hospital site) | 16,624 | 7,000 00 |
| " " Holworthy Street | 10,000 | 2,500 00 |
| | | <hr/> \$55,800 00 <hr/> |

PLAYGROUNDS AND EQUIPMENT

LAND

| | Square Feet | Valuation |
|--|-------------|----------------------------|
| Cambridge Field and Shelter | 528,154 | \$264,000 00 |
| Rindge Field and Shelter | 501,729 | 107,400 00 |
| East Cambridge Embankment | 349,828 | 437,000 00 |
| Russell Field | 882,410 | 44,200 00 |
| Houghton School | 11,804 | 4,900 00 |
| Peabody School | 9,664 | 6,400 00 |
| Morse School | 13,561 | 4,400 00 |
| Wellington School | 8,144 | 3,400 00 |
| Fletcher School | 10,187 | 4,100 00 |
| Thorndike Field schoolyard and playground..... | 136,821 | 46,900 00 |
| Mill Pond | 172,813 | 43,200 00 |
| Ward Ten playground | 95,657 | 29,600 00 |
| Ward Eight playground | 20,820 | 4,600 00 |
| Total | | <hr/> \$1,000,490 00 |
| Buildings | | 189,300 00 |
| Equipment | | 58,553 36 |
| Total | | <hr/> <hr/> \$1,248,253 36 |

SCHEDULE B.

No. X.

EXEMPTED PROPERTY

The following is a schedule of property used for religious, charitable and educational purposes, and exempt from taxation by law, including property owned by the County of Middlesex, not including that owned by the City of Cambridge, as shown on the Assessors' Books, March 31, 1921.

RETURN OF PROPERTY EXEMPTED FROM TAXATION IN THE CITY OF CAMBRIDGE

1920 — 1921

| Name of Corporation | Description of Property | Valuation | |
|--|---------------------------|-------------|------------|
| | | Real Estate | Personal |
| Apostolic Pentecostal Church of New England..... | Church | 1,700 00 | |
| Avon Home | Building | 18,700 00 | 187,019 13 |
| Baptist Church in Cambridge and the Trustees of the Funds of the Baptist Church in Cambridge..... | Church | 123,500 00 | |
| Baptist Home | 1 House and Stable | 21,000 00 | 99,507 00 |
| Bishop, Leverett J., Wellington Bears, Hector McDonald, George McDougall and William C. Abbott, Treasurers of the Church of Scotland, Unattached and George A. Richards, for tax | Church | 9,900 00 | |
| Boston Missionary and Church Extension Society of the Methodist Episcopal Church | Church | 31,900 00 | |
| Broadway Baptist Church .. | Church | 23,000 00 | |
| Brown, John S., Prescott Evarts and Samuel G. Babcock, Trustees of St. Bartholomew's Chapel in Cambridge | Church | 17,900 00 | |
| Browne & Nichols School, Inc. | Buildings | 123,600 00 | 17,513 88 |
| Buckingham School, The ... | School | 23,600 00 | 17,271 76 |
| Burton, Joseph S. and Edwin J. Sheffield and Charles A. Swinerton, Trustees | Lot | 3,400 00 | |
| Cambridge Home for Aged People | Building | 135,300 00 | 180,155 82 |
| Cambridge Hospital | Hospital and Nurses' Home | 438,100 00 | 315,275 88 |
| Cambridge School for Girls, Inc. | Buildings | 43,900 00 | 2,000 00 |
| Cambridge Social Union | Buildings | 29,500 00 | 1,186 06 |
| Cambridge Visiting Nursing Association | 1 House | 12,700 00 | 13,260 50 |
| Cambridge Young Men's Christian Association | Building | 235,000 00 | 29,686 25 |
| Cambridge Young Women's Christian Association | Building | 88,800 00 | 54,552 26 |
| Christ Church Episcopal ... | Church | 55,000 00 | |
| Church of the Ascension | Church | 11,300 00 | |
| Columbus Day Nursery of Cambridge | 1 House | 17,500 00 | 1,207 35 |

Exempted Property—Concluded

| Name of Corporation | Description of Property | Valuation | |
|--|-------------------------|-------------|------------|
| | | Real Estate | Personal |
| Congregation Agndath Ashkenazino of Cambridge ... | Buildings | 8,300 00 | |
| Congregation Beth Israel of Cambridge | Synagogue | 36,000 00 | |
| Congregation and Talmud Torah Yabna | Church | 12,000 00 | |
| Co-operative Open Air School | School Buildings | 15,300 00 | 3,005 93 |
| Cragwell, Alfred E., John Blackman, Hubert Allyne, Trustees of the Christian Mission | Building | 8,300 00 | |
| East End Union Mission Church | Church | 6,000 00 | |
| Episcopal Theological School, Trustees of | Buildings | 397,100 00 | 741,812 31 |
| Epworth M. E. Church | Church | 114,800 00 | |
| First Church in Cambridge, Congregational | Church | 218,000 00 | |
| First Church of the Evangelical Ass'n of N. America | Church | 14,000 00 | |
| First Parish Church Unitarian | Church | 132,000 00 | |
| First Pentecostal Church of the Nazarine of Cambridge | Building | 17,100 00 | |
| First Reformed Presbyterian Church of Cambridge | Church | 11,500 00 | |
| First Swedish Baptist Church of Cambridge | Church | 19,300 00 | |
| First United Presbyterian Church of Cambridge, Trustees | Church | 13,900 00 | |
| First Universalist Society of Cambridge | Church | 30,900 00 | |
| Grace M. E. Church | Church | 22,400 00 | |
| Harvard Lampoon Club | | | 2,500 00 |
| Harvard St. M. E. Society .. | Church | 61,200 00 | |
| Hebrew Literary Ass'n of Cambridge and Somerville, (Leavitt, Blanche C. sidewalk assessment) | Building | 17,600 00 | 1,000 00 |
| Holy Ghost Hospital | Buildings | 213,400 00 | 17,042 71 |
| Immanuel Baptist Church ... | Church | 35,800 00 | |
| The Lamson Home | 1 House | 7,000 00 | |
| Longefellow Memorial Ass'n | | | 513 39 |
| Massachusetts Ass'n for Promoting the Interest of the Adult Blind | Building | 29,900 00 | 12,358 63 |
| Massachusetts Baptist Missionary Society | Church | 19,300 00 | |

Exempted Property—Continued

| Name of Corporation | Description of Property | Valuation | |
|--|-------------------------|---------------|---------------|
| | | Real Estate | Personal |
| Massachusetts Commonwealth | Buildings | 747,400 00 | |
| Massachusetts Commonwealth of and City of Cambridge for tax | Lot | 10,700 | |
| Massachusetts Commonwealth of and City of Cambridge for tax and Mary M. Maguire for tax | Lot | 23,000 00 | |
| Massachusetts Institute of Technology | Buildings | 6,495,800 00 | 19,367,544 00 |
| Middlesex College of Medicine and Surgery | Buildings | 89,900 00 | 17,900 00 |
| Middlesex, County of | Buildings | 1,403,800 00 | 50,000 00 |
| Miller, Robert A. William H. Boone, Thomas J. Williams, Edgar F. M. Willoughby, Richard Cox, Rufus Marshall and George F. Johnson, Trs. of St. Paul African Methodist Episcopal Church | Church | 31,200 00 | |
| Mt. Auburn Cemetery Corporation | Pt. of Cemetery | 50,700 00 | |
| North Avenue Baptist Church | Church | 80,700 00 | |
| North Avenue Congregation Society | Church | 50,000 00 | |
| Old Cambridge Baptist Society | Church | 219,000 00 | |
| Pilgrim Congregational Church | Church | 39,300 00 | |
| President and Fellows of Harvard College | Buildings | 12,721,800 00 | 24,765,807 56 |
| Prospect Congregational Church | Church | 27,700 00 | |
| Prospect Union Ass'n | Building | 57,800 00 | 16,713 00 |
| Radcliffe College | Buildings | 1,049,300 00 | 2,048,415 71 |
| Right Reverend Stephen, Uhro-Russian-Greek Orthodox Bishop of Pittsburg Diocese and his successors in trust | Church | 4,000 00 | |
| Roman Catholic Archbishop of Boston | Buildings | 1,080,300 00 | 1,500 00 |
| Rush African M. E. Zion Church | Church | 6,300 00 | |
| Sacred Heart School Ass'n of Cambridge | Church | 122,300 00 | 4,170 00 |
| St. James Parish | Lot | 9,700 00 | |
| St. Mary's Parochial School | Buildings | 361,700 00 | |

Exempted Property—Continued

| Name of Corporation | Description of Property | Valuation | |
|--|-------------------------|--------------|-----------------|
| | | Real Estate | Personal |
| St. Paul's Roman Catholic Church | Church | 64,000 00 | |
| St. Paul's Roman Catholic School Ass'n | Church & Bldgs. | 216,300 00 | 4,500 00 |
| St. Peter's Parish Hall Corporation | Building | 18,400 00 | 2,000 00 |
| St. Philip's Episcopal Church | Church | 8,600 00 | |
| Salvation Army of Massachusetts | Building | 11,500 00 | 200 00 |
| Stratton, Charles F., Warren H. Dunning and Edwin S. Chapin, Trustees | Building | 9,100 00 | |
| Swedish Evangelical Lutheran Augustana Church .. | Church | 18,900 00 | |
| Swedish Evangelical Missionary Church of Cambridge | Church | 27,200 00 | |
| The Corporation of the New Church Theological School | Buildings | 158,800 00 | 141,398 89 |
| Third Congregational Society in Cambridge | Church | 51,000 00 | |
| Third Universalist Society .. | Church | 78,000 00 | |
| Trustees of Andover Theological Seminary | Building | 381,700 00 | 781,141 60 |
| Trustees of Donations to the Protestant Episcopal Church in the Diocese of Massachusetts | Church | 19,600 00 | |
| Trustees of Donation of the Protestant Episcopal Church | Church | 92,800 00 | |
| United States of America ... | Buildings | 252,400 00 | |
| Western Avenue Baptist Tabernacle Church | Building | 3,500 00 | |
| Wheelwright, John T., Roger L. Scaife and Arthur H. Weed, Trustees | Building | 13,800 00 | |
| Total | | \$29,034,900 | \$48,898,159 62 |

RECAPITULATION

| | | |
|--|-----------------|-----------------|
| Literary | \$15,752,500 00 | \$28,550,950 09 |
| Scientific | 6,585,700 00 | 19,385,444 00 |
| Charitable | 905,100 00 | 826,027 02 |
| Benevolent | 332,900 00 | 84,238 51 |
| Religious | 2,970,700 00 | 1,500 00 |
| Cemetery | 50,700 00 | |
| Miscellaneous | 2,437,300 00 | 50,000 00 |
| Total | \$29,034,900 00 | \$48,898,159 62 |
| Real Estate | \$29,034,900 00 | |
| Personal | | 48,898,159 62 |
| Total Valuation of City Property exempt from Taxation..... | | 77,933,059 62 |

SCHOOL COMMITTEE

From January 1, 1921, to January 1, 1922

HON. EDWARD W. QUINN, Mayor.....Chairman

MR. CHARLES F. J. McCUE.....Vice-Chairman

MRS. JESSIE W. BROOKS, 10 Linnaean Street

MR. JAMES S. CASSEDY, 336 Harvard Street

MISS NORA J. DRISCOLL, 1200 Massachusetts Avenue

MR. CHARLES F. HURLEY, 1218 Massachusetts Avenue

MR. CHARLES F. J. McCUE, 10 Prentiss Street

DR. ARTHUR L. MILES, 12 Magazine Street

OFFICERS OF THE BOARD

January 1, 1921

SUPERINTENDENT OF SCHOOLS

MICHAEL E. FITZGERALD.....30 Bellevue Avenue

ASSISTANT SUPERINTENDENT AND DIRECTOR OF CONTINUATION SCHOOLS

JAMES DUGAN.....32 Blake Street

SUPERVISOR OF PRIMARY SCHOOLS

KATHARINE L. McELROY.....31 Gray Street

SUPERVISOR OF KINDERGARTENS

ALICE V. McINTIRE.....3 Linnaean Street

AGENT OF THE SCHOOL COMMITTEE

CONSTANTINE J. CHURCH.....87 Fayerweather Street

SECRETARY OF SCHOOL COMMITTEE

MARIE WALSH.....21 Fairfield Street

OFFICES AT CITY HALL

Offices open from 8 o'clock A. M. to 4 o'clock P. M. every day excepting Saturday. Saturday from 8 o'clock A. M. to 12 o'clock M.

In Memoriam

MARY A. LEWIS

Teacher and Principal in the Boardman School
1869-1915

Supervisor of Kindergartens and Primary Grades
1895-1915

On the Pension List
1915-1921

Died Jan. 5, 1921

IDA G. SMITH

Teacher in the Allston School
1875-1899

Teacher in the Roberts School
1899-1914

On the Pension List
1915-1921

Died Feb. 2, 1921

JOSEPH M. NORTON

Teacher in the Rindge Technical School
1899-1920

Died Dec. 25, 1920

ELLEN N. LEIGHTON

Teacher in the Cambridge Schools
1865-1890

Principal of the Otis School
1890-1910

On the Pension List
1910-1920

Died May 15, 1921

REPORT OF SUPERINTENDENT

I submit herewith my ninth annual report, which is the fifty-third in the series of annual reports by the superintendent, and the eighty-first of the printed reports of the School Committee of Cambridge.

Cambridge schools have been fortunate during the past year. There have been no interruptions of any nature to impede progress. Teachers and School Board have worked steadily to advance their single aim—the highest good of the school children.

The establishment of the Continuation School (in accordance with State law) in the Taylor School in East Cambridge; the addition of a course in Household Arts to the curriculum of the High and Latin School; the addition of a male instructor in physical education to the teaching force of the High and Latin School; the provision of roomier quarters for the accommodation of the students in the automobile course in the Rindge Technical School; the elimination of the subcommittees in the School Board; the adoption of a complete merit system for the appointment of teachers and other school officials; the arrangement of a system of credits given by the School Board to teachers completing successfully courses in various colleges;—these innovations will convey some adequate idea of the advancement made during the year in the management of the schools.

Once more I must call your attention to the congestion in the Webster, Morse, Houghton, Willard and Tarbell districts, and urge that the City Council make the appropriations needed to remedy this condition.

I wish also to call your attention again to the increased membership in the Rindge Technical School and to recommend that your Board request the Mayor and City Council to authorize an appropriation for enlarging and remodelling the Science Building and for providing facilities for a garage, so that the students in the automobile course may have suitable space for storage of cars and gasoline—away from the school buildings.

MERIT SYSTEM

The Cambridge Merit System for the appointment of teachers has been revised and improved so as to give more general satisfaction and should be a great incentive to the ambitious teacher.

BOARD OF EXAMINERS

1. By vote of the Cambridge School Committee the Board of Examiners shall consist of the Superintendent of Schools (who shall be chairman of the Board), the Assistant Superintendent of Schools, the Director of Continuation Schools, the Supervisor of Primary Schools, the Supervisor of Kindergartens, the Head Master of the High and Latin School, the Head Master of the Rindge Technical School, and two grammar school principals, appointed by the School Committee upon the recommendation of the Superintendent of Schools.

The Board of Examiners has the power to grant certificates of qualification, after examination, to such candidates as, in their opinion, meet the requirements which are hereinafter set forth to govern the granting of certificates.

The Board of Examiners may at any time secure the services of such persons as they may deem advisable to assist in any examination.

2. The Board of Examiners shall hold an examination each year on the last Saturday of October. Other examinations may be held at any time upon the request of the Superintendent of Schools.

3. The Board of Examiners shall grant certificates, after examination, to such candidates as are entitled to them, as follows:

CLASS A.

1. High and Latin School Teachers.
2. Rindge Technical School Teachers.

CLASS B. Elementary School Teachers.

CLASS C. Kindergarten Teachers.

CLASS D. Special Teachers and Directors.

CLASS E. Continuation School Teachers.

4. The Board of Examiners shall be divided for the purpose of examining candidates for certificates, into Special Examining Boards, as follows:

CLASS A-1. The Superintendent of Schools, Assistant Superintendent of Schools, Head Master of the High and Latin School.

CLASS A-2. The Superintendent of Schools, Assistant Superintendent, Head Master of Rindge Technical School.

CLASS B. The Superintendent of Schools, Assistant Superintendent of Schools, two grammar school masters appointed by the School Committee, and Supervisor of Primary Schools.

CLASS C. The Superintendent of Schools, Assistant Superintendent of Schools, Supervisor of Kindergartens.

CLASS E. The Superintendent of Schools, Assistant Superintendent of Schools, Director of Continuation Schools.

5. The examinations shall be prepared and conducted by the Special Examining Board for each class. The results of these examinations with all recommendations shall be presented to the full Board of Examiners.

6. The Board of Examiners shall act upon the request of the Superintendent of Schools on all questions arising from Section 902 of the Rules of the School Committee.

Section 902. Tenure. Any teacher entering the school service of the City of Cambridge shall be passed upon by the Board of Examiners as to efficiency and success at the completion of one year's work, and if found satisfactory, he (or she) shall be recommended to the School Committee by the Board of Examiners for the next annual increase and for the annual salary increases until the completion of the third year, when she shall be again passed upon by the Board of Examiners, and if found efficient and her work so warrants, she shall be recommended to the School Committee for tenure.

If said teacher fails to receive, either on the completion of the first year's work, or on the completion of the third year's work, the approval of the Board of Examiners, such teacher shall not be recommended to the School Committee to receive the annual increases in salary.

If a teacher fails to be placed on tenure at the end of the third year, she shall be recommended for probation for one year. If not recommended for tenure at the end of the fourth year, the facts in her case shall be presented to the School Committee for final action.

7. All certificates are granted by the Board of Examiners for a period of five years upon satisfactory evidence of merit and fitness.

A certificate may be renewed by the Board of Examiners for a period of five years upon satisfactory evidence of merit and fitness.

A certificate may be revoked by the Board of Examiners for cause.

8. The chairman of the Board of Examiners shall keep on file, in his office, a record of the proceedings of said Board.

9. The Board of Examiners shall meet regularly, the first and third Wednesdays of each month, when school is in session, and special meetings shall be held at the call of the superintendent.

EXAMINATION OF APPLICANTS

1. Regular examinations shall be held on the last Saturday of October, each year. Special examinations may be held at any time.

2. Diplomas or certificates of completed courses from approved colleges, universities, technical schools, approved Kindergarten Normal Schools, the State Normal Schools, or the Boston Normal School, may be accepted in lieu of written examinations, provided the applicant presents accredited marks, which average 75% or more, for work done in his full course. Teachers' certificates held by applicants, accompanied by the official rating and marks, may be accepted in lieu of written examinations.

3. The examinations are for the purpose of rating the candidate in *scholarship, experience* and *personal fitness*.

4. Those candidates who successfully pass the oral or written examinations will be visited, while at work, by at least two members of the Examining Board.

5. On the resident list are to be placed the names of applicants whose parents or guardians have been legal residents of Cambridge for four years immediately preceding the filing of their application.

RULES FOR APPLICANTS FOR CERTIFICATES

1. It is desirable that applicants for examination file notice of their desire to take the examination in advance of the date of the regular examination.

2. Each applicant shall file with the Board of Examiners name, address, age, academic and professional training, experience, a doctor's

certificate of health, the names of five persons who know the applicant personally, and who can give evidence relative to character, scholarship and experience; together with any written testimonials. (The written testimonials should be accompanied by copies so that the originals may be returned).

3. To be eligible for examination applicants must have the following qualifications:—

I. HIGH SCHOOL CERTIFICATE (CLASS A)

a. Head Master, High and Latin School

1. He shall be a graduate of an accredited college or university.
2. His record as a student shall be of such a grade as to insure his appreciation of scholarship and scholarly ideals.
3. He shall have had ten years' experience. This must include administrative experience sufficient to demonstrate his ability to organize and manage successfully a large high school.

b. High School Teachers

1. A degree from an approved college or university, with evidence of the completion of a course in professional training in teaching.
2. Three years' successful experience in teaching in day high schools; except in the case of legal residents of Cambridge, but two years' successful experience in day high schools is required.

c. Head Master, Rindge Technical School

1. He shall be a graduate of an accredited college or university.
2. He shall have had ten years' experience. This shall include administrative experience sufficient to demonstrate his ability to organize and manage a technical high school.

d. Teachers, Rindge Technical School

1. If the certificate is for strictly academic subjects, the applicant must have the same qualifications as required for the High and Latin School certificate.
2. If the certificate is for a teacher of shopwork, or other strictly technical subject, the candidate shall satisfy the Board of Examiners that his experience in the subject he is to teach is sufficient, and that his general training is adequate.

II. ELEMENTARY SCHOOL CERTIFICATES (CLASS B)

a. Grammar School Master

1. Must be a graduate of college, State Normal School, or if a graduate of the Cambridge Training School must have 25 years' continuous teaching experience in Cambridge schools. If a college graduate, he must have completed training in a professional course in teaching. If a graduate of a State Normal School he must have taken supplementary college work.

2. He must have at least seven years' successful experience in teaching.

b. Primary School Principal

1. Must be a graduate of a State Normal School, the Boston Normal School (with supplementary professional work), or if a graduate of the Cambridge Training School must have 25 years' continuous teaching experience in Cambridge schools.

2. Shall have seven years' successful experience in teaching.

c. Elementary School Teachers

1. Must be a graduate of a State Normal School, the Boston Normal School, or an approved college or university, with evidence of the completion of a course in professional training in teaching.

2. Shall have at least three years' experience in teaching; except in the case of legal residents of Cambridge, but one year of successful experience is required.

III. KINDERGARTEN TEACHERS (CLASS C)

1. Must be a graduate of an approved high school and of an approved normal or professional school for the training of kindergartners, whose course of study shall not be less than two years.

2. Shall demonstrate ability to play the piano to the satisfaction of the Director of Kindergartens.

3. One year's experience purely in Kindergarten teaching.

In the promotion of an Assistant Kindergartner to the position of Head Kindergartner, efficiency, as determined by the following factors, shall be the basis of promotion:

1. Ability to teach.
2. Length of service.
3. Professional attitude.
4. Personal fitness.

In reckoning kindergarten experience, only that gained from strictly kindergarten classes shall be counted.

IV. SPECIAL TEACHERS AND DIRECTORS (CLASS D)

a. Director of Drawing

1. Present a diploma from an approved art school or college having a four years' course in drawing.
2. Submit satisfactory specimens of work to the Board of Examiners.
3. Pass a written examination in drawing, geometry and principles of teaching.
4. At least five years' successful experience in teaching, organizing and supervising classes in public school drawing.

b. Assistant Director of Drawing

1. Present a diploma from an approved art school or college having a four years' course in drawing.
2. Submit satisfactory specimens of work to the Board of Examiners.
3. Pass such examination and have such experience as the Superintendent shall require.

c. Director of Music

1. Present a diploma or certificate from an approved college or conservatory of music.
2. Proof of ability to do the work required.
3. Pass written examination in the history of music and methods of teaching music.
4. At least five years' successful experience in teaching, organizing and supervising classes in public school music.

d. Assistant to Director of Music

1. Present a diploma or certificate from an approved college or conservatory of music.
2. Proof of ability to do the work required.
3. Pass such examination and have such experience as the superintendent shall require.

e. Prevocational Teachers (Men)

1. Present a diploma or a certificate giving evidence that the applicant has successfully completed the course in an approved school or evidence of special fitness through seven years' successful experience at his trade.

f. Household Arts Teachers

1. Must present a diploma or certificate from an approved school having a course in household arts subjects, or present conclusive evidence of three years' successful experience in teaching household arts subjects.

g. Commercial Arts

1. Shall present a diploma or certificate of graduation from an approved business school or college, or shall have at least three years' experience in teaching commercial subjects, or five years' experience in the subject he is to teach.

h. Director of Physical Training

1. Diploma or certificate from an approved school or college having a satisfactory course in physical training, and at least three years' successful experience in organizing and supervising classes in physical training.

i. Assistant Director of Physical Training

having a satisfactory course in physical training.

2. Pass such examination and have such experience as the superintendent shall require.

j. Teachers of Defectives

1. The requirements for teachers of Classes for Defectives shall be determined in each case by the superintendent. Preference shall be given to those teachers having Kindergarten and Primary experience.

V. CONTINUATION SCHOOL CERTIFICATES (CLASS E)

1. Rules for appointment of teachers for Continuation School work shall be governed by the state requirements for such teachers.

RATINGS BY THE BOARD OF EXAMINERS

Ratings by the Board of Examiners shall be obtained as follows:

I. IN SCHOLARSHIP

a. By written examination, when required. (See Section 2).

b. In case the applicant is not required to take a written examination, the rating in scholarship shall be obtained by averaging the marks

1. Diploma or certificate from an approved school or college received at college, university, certified technical school, state normal

school, the Cambridge Training School, or the Boston Normal School, or the marks given in a teacher's certificate granted by the Board of Examiners of any city or any state in the United States and which may have been accepted by the Board of Examiners of Cambridge.

II. IN EXPERIENCE

a. By written reports of at least two members of the Board of Examiners who have observed the applicant while at work.

b. In the case of a substitute in the schools of Cambridge:

1. By written reports of the principals of the schools in which the candidates have substituted.
2. By written reports of two members of the Board of Examiners, who have observed the work of the applicant.

c. By written reports from former superintendents and principals.

By experience is meant that obtained after graduation from college or normal school.

In no case shall experience in evening school teaching count for more than one-third of the total experience required.

III. IN PERSONAL FITNESS

a. By oral examination of the applicant and the consideration of the evidence relative to his or her character and previous teaching experience, and the medical examiner's report relative to health.

COLLEGE COURSES FOR TEACHERS

Radical changes in the school curricula and the demands of the present time for specialized work of highly trained teachers have been felt in our schools, and Cambridge has responded to the needs of her teachers by securing the assistance of various colleges in giving courses of lectures to those who wish to attend. The teacher not only receives credit from the college for attending the lectures (which credit counts toward a degree from that college) but also receives from the School Committee a certificate or diploma which will be of value to the holder in securing further advancement. The School Board voted on April 11, 1921, to adopt the following recommendation of the superintendent regarding the award of these certificates:

To the School Committee:

Although for some years many of our Cambridge teachers have taken various courses in educational work (administrative or cultural or both) and have taken part in Professional Reading Clubs, etc., no systematic recognition has been given and but few of these aspiring teachers have received due credits for their work.

The successful teacher today must be a student as well as a teacher, and must take active part in the world's work for which she is striving to prepare her pupils.

Recommended: (a) That the superintendent of schools be authorized to complete his plans whereby the Cambridge teachers shall be able to take the University Extension and College courses to be arranged for teachers and offered to them the coming year.

(b) That teachers successfully completing one or more of such courses shall receive a diploma or certificate to state that it is given in recognition of the teacher's voluntary study in further preparation of her work, to name the course or courses taken, and to bear the signature of the chairman of the School Committee, of the superintendent of Schools and of the college official or officials under whose authority the course or courses were given.

The courses taken must be approved by the superintendent of schools.

No teacher is obliged to take any course. All such work is optional.

All the work of these courses is to be done at such time or times as will not interfere in any way with the regular and required work of the school.

I have discussed this plan with the Dean of Harvard Graduate School. He approves of the plan and I have no doubt that all colleges offering University Extension Courses will approve likewise.

The following colleges will be invited to consider this plan: Harvard, Radcliffe, Massachusetts Institute of Technology, Boston College, Boston University and Tufts.

THE CAMBRIDGE MUSEUM FOR CHILDREN

The Children's Museum has steadily advanced in usefulness and in the appreciation of the public.

The idea of the maintenance of a Children's Museum, incorporated into the public school system, furnished with teachers appointed and paid by the School Board, providing instruction to every pupil in grades four to eight inclusive, is, so far as we know, confined to Cambridge.

The work of the Children's Museum for the past year, so far as it can be told in figures, may be summarized as follows:

6,756 children of the fifth, sixth, seventh and eighth grades have come to the Museum for illustrated talks on geography or nature study.

2,005 children have heard illustrated talks at the schools by the Museum teachers.

At the Museum the subjects of the lessons have been:

GRADE V.

"Common Trees and Woods."

"The Paper Industry in the United States."

GRADE VI.

"South America."

GRADE VII.

"Life and Industries of Japan."

Various grades by request—"The Birds of Cambridge."

GRADE VIII.

For the most part special lectures by generous friends of the Museum work. Through the courtesy of Harvard University, these special lectures are given at the Agassiz Museum, where six classes can be accommodated at a time. The lectures have been as follows:

"Hawaii".....*Professor G. H. Barton*

"Indians of Today".....*Miss A. B. Scoville*

"The Malay Jungle".....*Mr. Carveth Wells*

"Our Neighbors in Fur and Feathers".....*Dr. John B. May*

The talks by the Museum teachers at the schools have included the following:

RINDGE TECHNICAL SCHOOL—FIRST AND SECOND YEAR
SCIENCE CLASSES

“The Work of the Ice-Sheet in New England.”

GRADE IV IN ALL THE SCHOOLS

“Rubber.”

“Silk.”

GRAMMAR GRADES IN VARIOUS SCHOOLS

“Birds of Cambridge.”

“Bird Feeding and Housing.”

NEW FEATURES AT THE MUSEUM

1. Thursday afternoon story hours have been tried for a number of weeks with the Museum lecture hall crowded each time.

2. Sunday afternoon opening through March with an average attendance of 263 children and parents, each Sunday bringing an increase in numbers up to 330 on Easter Sunday. A talk was given each Sunday to a capacity house. The subjects were:

“Japan”.....*Mr. Kan of Kyota*
 “The Moon”.....*Mrs. Walter B. Cannon*
 “The Eskimos in Greenland”.....*Professor G. H. Barton*
 “Early Spring Flowers”.....*Miss Margaret Tucker*

3. Official Boy Scout examinations for merit badges in “Bird Study.”

4. Vacation week at the Museum. The museum was open during the Christmas and March vacations, a large daily attendance showing the popularity of the place. During March vacation the daily average attendance was 190.

5. Use of the Museum library card system by 87 children.

6. New material on exhibition: Industrial exhibits showing button manufactures, rubber, silk, sponges, asbestos, etc.; many new local birds; a beautiful Golden Eagle; charming articles from Japan; besides other gifts, loans and purchases too numerous to mention.

The needs for the immediate future are:

1. Funds for keeping the Museum open six weeks during the summer with three teachers in charge.

2. A third teacher at the Museum permanently, to make possible twice as much work with the schools and with the children after school hours.

3. Funds to keep the Museum open every Sunday afternoon from December through March.

To add to the funds appropriated by the School Committee, money has been raised privately for use in the purchase of lantern slides, reference books, stereoscopes, pictures, aquaria, etc.

This has been done through the enthusiasm of a small committee of women who are seeking in every way to make known the work of the Children's Museum and to get interested men and women to become Museum members, paying an annual subscription of \$1.00 or \$5.00. Under the auspices of this committee lectures on the Malay Jungle have been given by Mr. Carveth Wells in nine school districts. Preliminary to these paid lectures Mr. Wells gave geography lessons in eight of the districts, one to the little children and another to the upper grades. The number of children hearing these lessons has totalled 3,211.

LIBRARY EXTENSION

For the past year or two, through the kind, generous and intelligent assistance of Mr. T. Harrison Cummings, City Librarian, the Public Library has been used daily by high school classes for class study, reference and research, under the supervision of the class teacher, the librarian and his assistant. This has opened to high school pupils the advantages of the use of a valuable reference library of 10,000 volumes and given them a working knowledge of the storehouses of knowledge and how to reach their stores.

Many modern high schools have established school reference libraries with librarians in charge. In such instances, the size of the library is necessarily quite limited and the expense to the School Board a matter to be reckoned with. In Cambridge, better results are accomplished with no expense to the city. In addition, through the co-operation of the library trustees and the librarian, each class-room is supplied with from fifty to one hundred books each week, these books being delivered and collected by Library Service. I recommend that the School

Board express to the Trustees and the Librarian their appreciation of the value to the school of this service.

ORGANIZATION OF THE CAMBRIDGE PUBLIC SCHOOLS

The fact is often forced upon my notice that the citizens of our city do not know the organization of our school system—do not know what we are doing for the individual pupil in contradistinction to the method of the past of dealing with class or district.

Cambridge today is carefully looking after the individual child. We have special classes for all those handicapped in any way by nature or accident. In these classes, the child is placed under the expert guidance of a specially trained teacher and instead of being an obstacle to the progress of a graded class, he becomes a unit of instruction, an active producer, bringing joy to the home and often developing so satisfactorily that he is able to be returned later for class or grade work. A study of the following plan of our organization will explain what is meant:

ORGANIZATION OF CAMBRIDGE PUBLIC SCHOOLS

June, 1921.

HIGH AND LATIN SCHOOL

Courses

Commercial
Practical Arts
General
Preparation for State Normal School
Preparation for Harvard, Smith, Vassar, Radcliffe, Mt. Holyoke, and Wellesley Colleges (either 4 or 5 years).
Preparation for Harvard or Radcliffe College (in 5 years).
Preparation for the Institute of Technology (with or without Latin).

RINDGE TECHNICAL SCHOOL

Courses

College Preparatory (either 4 or 5 years).
Art
Automobile
Business
Chemistry
Electrical
Iron Working
Mechanical Drawing
Printing
Woodworking
Trade

CONTINUATION SCHOOL

BOYS' CONTINUATION SCHOOL

Courses

Printing
Woodwork
Academic

GIRLS' CONTINUATION SCHOOL

Courses

Cooking
Sewing
Academic

15 GRAMMAR AND 11 PRIMARY SCHOOLS

SPECIAL CLASSES

| | | |
|--------------------|-----------------|--------------------|
| Music | Cooking | Vision |
| Art Education | Prevocational | Mentally Defective |
| Physical Education | Ungraded | Stammerers |
| Children's Museum | Foreigners | Open Air |
| Sewing | Americanization | |

18 KINDERGARTENS

In conclusion I wish to thank the School Committee, my assistants and teachers for their co-operation.

The reports of the Head Masters of the High Schools and the heads of the different departments follow and are made a part of this report.

Respectfully submitted,

M. E. FITZGERALD,
Superintendent of Schools.

PRIMARY SCHOOLS

To the Superintendent of Schools:

We who are interested in the primary schools feel that good work has been done this past year and most satisfactory results obtained. The primary teachers have worked conscientiously and untiringly, and it is to their hearty co-operation and ready willingness to help in every way that we owe the splendid results.

The prevalence of illness among the children in the lower grades makes the work extremely difficult, and teachers require much patience and courage to overcome this great handicap.

The Tarbell School is still very much over-crowded, but we expect that the addition to the Houghton School, which has been recommended, will take care of the overflow in that section of the city. The primary department of the Russell School is very much in need of more room.

Many of our primary classes are too large. It is impossible to do the best work with little children when the class is over-crowded. We have tried to keep the number of pupils as close to forty as possible, but in many instances we have been unable to do this on account of lack of accommodation.

Children from foreign countries have entered our schools in great numbers within the past few months. The younger children have entered the first grade, as from experience we find this to be a much wiser plan than putting them in classes by themselves.

They come in contact with English-speaking children and are thus helped in many ways. The older children are placed in classes established for them. We have at the present time three of these classes in the city and they are doing most excellent work.

A large number of young teachers have joined our primary teaching force during the past two or three years, and in many instances have proved a valuable addition to our school system. They adapt themselves to any condition, however difficult, and receive any suggestion or criticism in the right spirit.

READING

The first grade teachers have been experimenting with a method entirely new to them and have been most successful.

They have visited some of the best teachers in our own and in the surrounding cities, and taken every means in their power to perfect themselves in their work. The upper grade teachers have visited the first grades to familiarize themselves with the work being done, and thus be prepared to carry it on.

I feel, and I am sure the primary teachers agree with me, that the reading has taken a great step in advance. Expression is better, enunciation clearer and we are getting good, intelligent reading.

I would recommend that we have some new second readers placed on our list of reading books, these books to be used in the third grade the first half of the year. Our third readers are very difficult and should not be used in many districts until the latter part of the third year. We also need more primers, as we have not enough simple reading for first grades.

PHONICS

To our success in teaching phonics is due in a great measure our success in teaching reading. It is surprising and gratifying to us to find that in a few months little first grade children have attained the power of discovering all new words, without help.

Teaching phonics is very slow and often times discouraging work at the start, but if taught faithfully the results we obtain are surely recompense enough for all the hard work and time spent. The primary teachers appreciate the true value of the work done in teaching reading by a phonetic method when they try, as they often do, to bring up to grade a pupil who has not had the advantage of having been taught in this way.

NUMBER

Although no formal number is taught in the first grade, many first grade teachers are doing good work by means of "Gray's Number by Development." Some of our third grades have achieved surprising results. In all our number work the blackboard is used constantly. Children are taught to look for and correct the mistakes of their classmates, and are thus trained to discover mistakes in their own work.

WRITING

In all our writing lessons we strive for good hygienic position. Use of the blackboard develops free arm movement and prevents small cramped writing, which is very hard to overcome. A few of the drills used in the Palmer method of teaching penmanship are taught in the third grade as a help towards the work which the children take in the higher grades. Writing is not only supervised and corrected during the writing lesson, but is also carefully examined in the spelling, language, and whatever written work the children are called upon to do.

I wish to thank the superintendent and the primary teachers for their hearty co-operation and assistance in all work undertaken this year.

Respectfully submitted,

KATHARINE L. McELROY,
Supervisor of Primary Schools.

KINDERGARTENS

To the Superintendent of Schools:

The kindergartners have met every week for study. We have taken up Froebel's Letters to a Mother for reading and discussion, which helped to give a fresh interpretation of the Mother Play. The assistants have met for Program as well.

The kindergartners also took up with the director a course in the History of Art, and in this some of the primary teachers joined.

Miss Evelyn Carter gave us four lectures on the Principles of Art as applied to the kindergarten occupations. She brought us some original ideas in color and design, illustrating her talks with materials gathered in Italy, Japan, and India. She brought out in a most interesting way the kindergarten material. We are indebted to her for many ideas which should enrich our work in occupations.

Miss Fanny Bickley helped us with a lecture and demonstration of valuable physical exercises for children of kindergarten age. We kindergartners cannot stress too much the importance of health; we must try to improve first, the physical development of the child, then the mental. Some one has said, "Instruction can wait, but health never."

The Cambridge kindergartners had the privilege of attending two interesting talks on Music given by Mr. Thomas Sidney Surette for the Boston kindergartners, one on the method of teaching music to children of kindergarten age; the other on the importance of early training in the appreciation of music.

We helped in an interesting experiment undertaken by the Child Study Committee of the International Kindergarten Union to measure the results of the child's achievement during the kindergarten and primary periods. This committee chose drawing as the most tangible material. Drawings were sent by all the Cambridge kindergartners. The tabulation of these statistics gathered from all over the country made a most instructive report at the International Kindergarten Union Convention in Detroit.

The Project Method has been given an earnest and comprehensive trial in two of our kindergartens with widely different classes of children. Both of these kindergartners spent last summer studying

Project at Hyannis, and brought to their work an understanding of the aims and methods of procedure. They both feel that their work this year has been largely experimental; they report in their classes a gain in feelings of responsibility, co-operation, self-reliance, resourcefulness, and a greater power to work things out for themselves. On the other hand, they have covered less ground in the regular work of our program. It will be interesting to see whether these children will prove to be better prepared for the work of the first grade. These two kindergartners will continue this work next year, modifying it as they feel the need.

Much study, observation and experiment with this method have led us back to Froebel and have taught us to put new emphasis on his principle of creative self-activity, which has always been the keynote of the kindergarten.

Respectfully submitted,

ALICE V. McINTIRE,
Supervisor of Kindergartens.

THE CAMBRIDGE HIGH AND LATIN SCHOOL

To the Superintendent of Schools:

I herewith submit the annual report of the Cambridge High and Latin School:

The total registration April 1, 1921, was 2,046. Of that number the usual large proportion elected some sort of commercial study. The proportion is probably too large, but this is due to the fact that at present the commercial course appeals to the pupils as being the most practical one offered. Consequently, many take this course who are ill-fitted for success in the commercial field, but who might succeed in some form of practical arts.

Undoubtedly, the greatest need in the school today, barring that of physical training for boys, is the need of a broader opportunity for the study of domestic arts. This need is increasing each year. An education that well equipped a girl for life years ago will not serve now. Formerly that education was supplemented by an invaluable home training in all kinds of domestic matters. Today the home, either from choice or necessity, or from both, has ceased to furnish that training. On the other hand, the stress and variety of modern life make greater demands on physical and mental strength. Never has there been a time when the youth stood in such need of all that could be given by church, home, and school combined. Never was thorough training in domestic arts as necessary as now. Life in this country is no longer a simple thing. The burdens left by the war will make living much more difficult for years to come and call for continued economies. There is also a great need that young people should get a proper perspective concerning the dignity of all kinds of honest labor. It is certainly of great importance for all girls to realize that home-making duties carry with them as much prestige as any other. In these days one can hardly over-emphasize the importance of teaching the youth to appreciate that the home must be at the base of a happy and prosperous national life. The home-maker must now face a more serious problem in practically every way than her mother did. She is fortunate, however, in having at hand all kinds of invaluable scientific knowledge which a previous generation did not enjoy. It is indeed possible or should be possible for her to become really skilled.

The Committee on the Reorganization of Secondary Education in its report headed "Principles of Secondary Education" recommends that secondary schools admit and provide suitable instruction for all pupils who are any respect so mature that they can derive more benefit from the secondary school than from the elementary school. If this principle were to be observed, practically all girls over fourteen years of age would be found in the high school. If the school system has a junior high school, all retarded girls thirteen years of age would be promoted to that high school. The girls of this age or older are too old to profitably attend school with little children. Such relations are bad for both. The retarded girls, however, are not ready to do regular high school work and must be segregated from regular high school pupils as far as class work is concerned. This would mean the providing of certain courses fitted to their needs. The need of this change may be quite clearly shown from statistics. The San Francisco survey showed 1,033 girls fourteen years of age, 377 girls fifteen years of age, and 132 girls sixteen years of age or over in grades below the seventh. In Wilmington, Delaware, there were 340 below the seventh grade who were fourteen years or over. In every school system which has been surveyed, there have been large numbers of over-age girls in the lower grades. Such girls will leave school as soon as the law allows. Probably a considerable number could be retained in school another year or two if they could move along so as to associate with girls their own age. These girls can best be provided for by a short intensive course in practical arts. Such a course would include Sewing, Drawing, Cooking, Physical Training, the Sciences as related to their work, and English. It could be so arranged that each year would be complete in itself. Then the girl who could remain but one year would receive something definitely worth while. Some girls would undoubtedly find they wanted to continue in school as regular candidates for a diploma. For such girls arrangements could be made for transfer into some regular high school course.

A study of the work of the graduating class of 1920, numbering 275 pupils, shows a very interesting graph. While 160 credits are required for graduation, a large number secure more than 160. The study was made to secure information as to exactly what these pupils had done in the various lines of study. It was necessary to reduce all work to a common denominator in order to get any fair comparison. The denominator used was a diploma credit. A pupil taking English

four years every day would receive 40 diploma credits. The results of the study are as follows: Language, including English, 22,667 total credits, or 50.86%; History, 2,898 credits, or 6.62%; Mathematics, 6,056.5 credits, or 13.64%; Science, 2,645 credits, or 5.94%; Commercial subjects, 8,373 credits, or 18.87%; Music, 312.5 credits, or .67%; miscellaneous, including Elocution, Sewing, Drawing, Gymnasium, and Debating, 1,520 credits, or 3.4%. A glance at these figures will show certain very striking facts. Over 50% of the school work accomplished by the class of 1920 was in language, and of this nearly 28% was in foreign languages. On the other hand, only about 12% was represented in History and Science, less than 1% in Music, and less than 4% in Elocution, Sewing, Drawing, Physical Training, and Debating combined. The pupils taking a college preparatory course accomplished nearly 60% of their work in Language, 18% in Mathematics, 6% in Science, and 8% in History, while those in a regular commercial course showed 36% in Language, 7% in Mathematics, 3% in Science, 3% in History, and 38% in Commercial subjects. The College determines what may be studied by preparatory pupils and their requirements place great emphasis on language study. The need of a better balanced program requires no argument in the face of such facts. The social studies and sciences should receive a greater share of the pupil's time and effort. Some progress in this line has been made by State legislation making mandatory the taking of United States History and Civics in an upper class year.

Physical training should also be made one of the constants in every curriculum, no students being excused from it except on a physician's certificate. At present gymnasium is elective for girls and not offered at all to boys. Of over 1,300 girls, only about half take the work. In the class of 1920 the figures show about 771 credits earned in this way, or 1.7%. Only by requiring gymnasium work from all girls is it possible to get work properly graded and progressive. It is possible to require this of girls in the school without increasing the force of teachers in the department. The gymnasium and dressing rooms, however, should be thoroughly renovated so as to make them lighter and more healthful.

Physical training for boys should also be made compulsory. It is desirable to require it of all. As this probably cannot be done at once, a beginning might be made with the freshmen boys. The number to be accommodated must be governed by the force and the equipment which

the School Board feels it can provide. Work in physical training with the boys should in no way be confused with athletics. Primarily, the object of the physical training is to enable each boy to develop as best he can along physical lines, to make him strong, and fit, to cultivate in him habits of right living. No man is equipped to undertake such work with any prospect of real success who has not had a broad training and considerable experience. He certainly should have taken thorough courses in physiology and hygiene, and in the best methods for teaching the same. He should be a man of broad vision, whose personality appeals to young men and whose enthusiasm in the work will react upon all coming in contact with him.

It may be interesting to know that of the class that graduated last June, 18 continued their studies at Harvard, 10 at Radcliffe, 9 at Massachusetts Institute of Technology, 4 at Smith, 1 at Wellesley, 5 at Boston University, 2 at Simmons, 1 at Mt. Holyoke, 1 at Amherst, 1 at Dartmouth, 5 at Massachusetts Agricultural College, 5 at Tufts, 1 at Jackson, 1 at Harvard Dental, 8 at Boston College, 18 at Normal Schools, while 19 returned for graduate work in the High and Latin School.

One hundred and sixty of those now in school are planning to take college or normal entrance examinations in June. The number includes those taking preliminary as well as final tests.

Respectfully submitted,

L. L. CLEVELAND,
Head Master, High & Latin School.

THE RINDGE TECHNICAL SCHOOL

To the Superintendent of Schools:

For some years past, in various annual reports, I have urged that something be done to relieve the crowded conditions under which we are working. As yet nothing has been accomplished in this direction, and the situation becomes more acute the longer it is allowed to remain without relief. The time is in sight when it will be necessary to do something to provide more room, or to restrict the number of boys admitted to the school.

The lack of room has made itself felt acutely, during the current year, in the following directions:

Every inch of space in the basements of the three buildings is now in use for purposes of instruction, lunch-room accommodations, or for locker rooms. This lack of space is especially unfortunate in winter and in stormy weather during recess time.

The lunch room in its present location is totally inadequate.

There is absolutely no space for storage purposes.

The basement is not a good place for shops. It is poorly ventilated, and for the carpentry shop, the cement floor is destructive to tools. A cutting tool dropped on the floor loses its cutting edge, and perhaps is broken beyond repair.

The wash-room and toilet-room facilities are inadequate.

The whole science building is almost hopelessly antiquated and unsuitable for the purposes for which it is used. This takes on additional significance in view of the importance of the science department in a technical school.

The automobile department, located temporarily in the basement of the science building, is badly placed. It is only fair to add that when the shop was located last summer no better place could be found in our present buildings. However, it will be readily seen that, in a basement room, a gasoline motor cannot be run because of the fire risk, and because of the fumes which spread through the buildings. The extent to which this restricts the work of the automobile department is apparent without argument.

If, as seems probably now, there will be an increase in registration next year, so that new teachers will have to be added to the faculty, a new difficulty will appear, as at present every class room is occupied.

There is no provision in any of the buildings for a gymnasium or for a room in which physical training could be carried on.

It is my firm conviction that only radical measures will now meet the situation, some features of which I have alluded to above. For detailed suggestions regarding the best methods of remodelling the buildings I can best refer to my annual reports of 1918 and 1919.

In writing as I have of the great desirability of better working conditions I realize the danger of making a false impression. I would not have it understood that, in spite of great difficulties, the work of the year has been in any sense of the word demoralized. Indeed, I have never known a year when results have been so satisfactory as during the present year. The disturbances caused by the war have largely disappeared; the work in most of the departments has been better organized, and we have obtained some very substantial results. Indeed, anyone who sees the sturdy, manly qualities of the boys whom we have come to recognize as the typical Rindge product could not but be impressed by the value of the technical school training for all boys. Let me repeat, that it is not because of poor results that I so strongly desire to see these improvements made. It is precisely because of the good that the school is doing, and because of my enduring faith in the ideals which prompted Frederick H. Rindge to found it thirty-three years ago, that I feel it my duty to urge, in season and out of season, that everything possible be done to make available to the boys of Cambridge the full measure of opportunity which the Rindge School should represent.

Again we must record a loss to our teaching staff through death. Joseph M. Norton, beloved teacher of mathematics, gentle, conscientious, self-sacrificing, died December 25, 1920, after a long and distressing illness which, while it sapped his strength, did not prevent his remaining on duty until almost the very end. The courage and devotion which he showed will always remain as an inspiration to those with whom he lived and worked.

In closing, I desire to express my appreciation of the loyal service of those teachers in our organization to whom is due in great measure the good work of the year. I desire, also, to extend to you my sincere gratitude for your assistance and moral support in the many problems of a crowded year.

Respectfully submitted,

JOHN W. WOOD,
Head Master, Rindge Technical School.

THE CAMBRIDGE HIGH SCHOOL LUNCH ROOMS

The following report of the Cambridge High School Lunch Rooms is submitted by the Dietitian, Miss Bessie L. Forbes.

During the past few years the value of health has been more and more realized, the war having taught us the biggest lesson ever taught. Food means health, and it is always the aim of the High School Lunch Rooms to teach the lesson of health by means of serving to our children food which is properly selected, prepared and served at a price which is within the reach of all.

"Feed a growing child properly and you have helped to make a good citizen." We believe that the educational work along these lines which begins in the elementary schools and which is taught by teachers, nurses and dietitians in Cambridge is extremely valuable, and the appreciation of parents is constantly shown.

Insufficient income is not always the cause of malnutrition in our school children. Wrong health habits are commonly found to be the cause of this condition. When a child must have his noon meal at school, something hot should be served to supplement the cold lunch which may be taken from home, or an adequate meal should be provided for those who wish to purchase it. Here is a splendid opportunity for the lunch room to meet the situation. The High School Lunch Rooms are carried on with this object in mind at all times, and we believe that improper health habits are often changed and conditions of improper nourishment overcome in our children who are soon to become the citizens of Cambridge.

For illustration of the variety of food served at the High School Lunch Counters the following menus are presented:

MONDAY

| | |
|-----------------------------|-----|
| Vegetable Soup..... | .05 |
| Italian Spaghetti..... | .07 |
| Peanut Butter Sandwich..... | .05 |
| Buttered Roll..... | .03 |
| Coffee Roll..... | .03 |
| Chocolate Cake..... | .05 |
| Pineapple Sauce..... | .05 |
| Ice Cream..... | .10 |
| Sweet Chocolate..... | .05 |

TUESDAY

| | |
|----------------------------|-----|
| Beef Stew..... | .05 |
| Creamed Salmon & Peas..... | .07 |
| Egg Sandwich..... | .05 |
| Graham Sandwich | .03 |
| Bran Muffin..... | .03 |
| Apple Cobbler..... | .06 |
| Sponge Cake..... | .05 |
| Ice Cream..... | .10 |
| Sweet Chocolate..... | .05 |

WEDNESDAY

| | |
|----------------------|-----|
| Tomato Soup..... | .05 |
| Vegetable Salad..... | .10 |
| Ham Sandwich..... | .05 |
| Raisin Bread..... | .05 |
| Cooky | .03 |
| Fruit Jelly..... | .05 |
| Spice Cake..... | .05 |
| Ice Cream..... | .10 |
| Sweet Chocolate..... | .05 |

THURSDAY

| | |
|---------------------------|-----|
| Potato Soup..... | .05 |
| Succotash | .07 |
| Ham Sandwich..... | .05 |
| Cheese Crackers..... | .01 |
| Baked Indian Pudding..... | .06 |
| Raisin Cake..... | .05 |
| Ice Cream..... | .10 |
| Sweet Chocolate..... | .05 |

FRIDAY

| | |
|------------------------------|-----|
| Oyster Stew..... | .05 |
| Scalloped Fish..... | .07 |
| Cheese & Olive Sandwich..... | .05 |
| Currant Bun..... | .03 |
| Chocolate Cream..... | .06 |
| Plain Cake..... | .05 |
| Ice Cream..... | .10 |
| Sweet Chocolate..... | .05 |

BESSIE L. FORBES,
Dietitian.

CONTINUATION SCHOOLS

To the Superintendent of Schools:

The Cambridge Continuation Schools opened in the Taylor School building on September 8, 1920, the building being used for the girls from 8 to 12 A. M., and for the boys from 1 to 5 P. M. on regular school days.

Each session of the school is opened by an assembly of all of the pupils in the school hall, where instructive talks on thrift, patriotism, citizenship, hygiene, and vocational guidance are given by the principals, teachers, and business and professional men and women.

The activities offered to girls are household arts, with the related academic work. The boys have a choice of wood-working or printing and the academic work related to these subjects. The building has well-equipped shops for the teaching of sewing, cooking, printing and wood-working. We have been able to equip the wood-working room with hand tools only, out of this year's appropriation, but we are very much in need of power machines to carry on the wood-working as it should be taught. It is therefore advisable to add this equipment for next year.

The industrial situation of the past year, which threw a great many of our pupils out of employment, and the attendance law requirement of twenty hours per week for such pupils, brought about conditions which would not have to be met in a normal year. Means must be provided for accommodating the out-of-work pupils for the twenty hours of attendance required by the Continuation School law.

During the period from September 8, 1920 to January 1, 1921, 462 girls and 731 boys came under the influence of the Continuation Schools and of these numbers 69 boys and 15 girls were persuaded to return to the elementary and high schools to continue their education. It is highly probable that but very few of these boys and girls would have returned to school except through the Continuation Schools.

The following tables give the statistics for the Boys' and Girls' Continuation Schools:

STATISTICS FOR BOYS' CONTINUATION SCHOOL

| | |
|--|-----|
| Number enrolled to Jan. 1st..... | 731 |
| Number returned to regular schools..... | 69 |
| Number discharged by reaching 16th birthday to Jan. 1st..... | 196 |
| Number discharged to other towns to Jan. 1st..... | 252 |
| Number of full-time pupils on Jan. 1st..... | 32 |

Number of Boys in Each Grade, Enrolled to January 1st.

| | |
|------------------|-----|
| Grade 4..... | 17 |
| Grade 5..... | 35 |
| Grade 6..... | 177 |
| Grade 7..... | 129 |
| Grade 8..... | 240 |
| High School..... | 123 |
| Special | 10 |

STATISTICS FOR GIRLS' CONTINUATION SCHOOL

| | |
|--|-----|
| Number enrolled to Jan. 1st..... | 462 |
| Number returned to regular schools..... | 15 |
| Number discharged by reaching 16th birthday to Jan. 1st..... | 145 |
| Number discharged to other towns to Jan. 1st..... | 83 |
| Number of full time pupils on Jan. 1st..... | 86 |

Number of Girls in each grade, enrolled to January 1st.

| | |
|------------------|-----|
| Grade 4..... | 14 |
| Grade 5..... | 20 |
| Grade 6..... | 94 |
| Grade 7..... | 138 |
| Grade 8..... | 164 |
| High School..... | 109 |

I wish to express my appreciation of the splendid interest you, the principals and teachers of the Continuation Schools and the employers of Cambridge, have given us.

Respectfully submitted,

JAMES DUGAN,
Assistant Superintendent.

DEPARTMENT OF PHYSICAL EDUCATION

To the Superintendent:

Rapid progress has shown itself in the field of Physical Education this year. There has been a steadily growing interest among the girls and boys in the past three years. The real results are beginning to show themselves so obviously that an added interest is prevalent among the majority of teachers. If we could find in every instance this excellent co-operation and earnest interest, the advancement in health and physical fitness among the scholars would be even greater.

Our underlying thought in all the work we have undertaken since coming to Cambridge has been to improve the health and posture of the growing girls and boys through physical education. These hopes have been our ambition—we have based all our undertakings upon these principles and given these aims our utmost attention, striving always toward the highest standards. This year we have made up our minds to lay more stress upon these two most important factors of physical education—Cleanliness and Good Posture—so we have conducted campaigns and arranged them as competitions to stimulate the greatest possible interest. The scholars have thought them as much fun as competitive sports and games.

Simple and short "Health Talks" were given first, to stimulate scholars to take great interest in cleanliness, good posture, and proper breathing; then regular inspections were given in preparation for the campaigns. Students needing corrective work were advised to take special exercises and given individual attention.

The first campaign was the Clean-up Campaign. The scholars were informed that we would inspect them for cleanliness sometime during February or March. The final inspection of the scholars was made by me, and Miss Grant recorded in each room, making note of each scholar not passing and why. Biting of the nails was recorded but was not counted in final percentages. Each scholar knew why he or she did not pass.

Not only the percentage of each school but also the percentage of all the rooms was recorded after all the inspections had been completed. The schools were divided into three sections—I. North Cambridge. II. Cambridgeport. III. East Cambridge. Primary grades competed

against each other—likewise grammar grades. The percentages of schools winning according to sections, also of rooms which ranked first and second, were tabulated in the final report of the campaign, which was given to all principals and teachers.

We are undertaking the Postural Campaign at present but will not complete it until the end of May. The best room, also the boys and girls with best posture in each building, will be recorded. Sitting, standing, and walking positions are counted. We have asked all the room teachers to select the two, three, or four girls and boys with best posture in their rooms. Upon visiting every school, the chosen scholars from each room are sent to the hall and judged for first, second, and third places. No one is allowed to compete unless clean. Also, all the scholars in the rooms are observed and marked in order to judge the best room.

The scholars need constant reminding—many teachers have shown an endless amount of untiring effort and patience in trying to secure results in cleanliness and good posture with their girls and boys. Wonderful results in these rooms are obvious. Scholars have taken pride in their appearance—and both teachers and pupils seem far happier. If these results can be accomplished in some rooms, why not in all?

During these campaigns I have spoken in every room on Cleanliness and Good Posture while Miss Grant showed pictures denoting good and poor positions.

All of our lessons have been taught twice a week by eighty-five members from the Senior Class of the Sargent School. New lessons and dances are always explained and taught the Seniors before they teach the scholars. These same lessons are mimeographed and copies provided for each room teacher. With the outline to follow and the Sargent instructor to give the demonstration of exercises, the room teacher can easily follow out the work. The room teacher always has a girl and boy captain in each room who is capable of leading the class. Before these captains were elected each room was given a talk on qualities necessary for a leader and powers of leadership. The election was then left to the scholars with help from room teachers—girls and boys both are given captains' pins in honor of the position.

This year we have emphasized the student leadership plan more than ever before, believing the greatest work can be accomplished by stimulating leaders among the scholars. We have called meetings for girl and boy captains and presented work and ideas to them—they have

been given the opportunity for special lessons and have been allowed to play games in the afternoons and to invite other scholars for the fun also. Several times the boys have been coached in basket ball and played other schools. Where facilities in some buildings would not allow folk and recreative dancing, the girls have been given lessons in the afternoons. Also we taught both girl and boy captains suitable games that they could give the other scholars during out-door recesses.

The captains are now organizing their Athletic Associations and making plans for baseball games. Last year great interest was shown in the interschool games—the schools are divided into three sections—the schools in each section play against each other and then the three winning schools of three sections compete to determine champions. The winning team last year was the Kelley School—the banner will go to the school winning this year.

Just as many teams as can be formed are scheduled to play—we try to encourage each school to have at least one team for each grade—last year several schools had three and four teams for one grade. All the available playgrounds were used every afternoon by the school boys.

We have arranged a date for each school to demonstrate the work accomplished. The Sargent Seniors have charge of the programs.

The work at the High School has been conducted as usual with even more emphasis upon afternoon recreation. The recreation this year has been managed by the Girls' Athletic Association under Miss Brown's leadership, with the exception of one afternoon a week, which was in charge of Miss McLaughlin. Miss Brown's hours in the A. M. have been lessened in order that she may give more time to afternoon recreation. Each class had a separate coach (a member of the Sargent Senior Class) for basket ball, and as many teams in each class were formed as possible. Practically every afternoon the gymnasium has been opened to recreation for High School girls—two afternoons per week they have been dismissed early in order to allow grammar school scholars the use of the gymnasium.

The demonstration for High School work was held on April 22nd. All class work (including floor work, dumb-bells, wands, Indian clubs, games, dancing and rope climbing contest between classes) was on the program. The work showed great progress in every way when compared with the demonstration of the year before.

After the demonstration, the rest of the year will be devoted to out-door exercises, baseball, other games and athletics. During the first

week in June, a competitive game tournament between classes will be conducted.

All recreation counts toward class numerals and school monograms in the Monogram Point System which we instituted in the High School last year. With this new system the school monogram denotes a maximum number of points gained in class work, health and recreation. This spring we have made this part of the department compulsory for those taking Physical Education. Printed forms will be handed out twice a year before marking time—giving the girls limited time to hand in points.

We have been following out the student leader plan in the High School, as well as grammar schools. Each class in Physical Education has elected two leaders chosen by the scholars, for possessing worthwhile qualities of leadership. Their duty is to stimulate enthusiasm in all undertakings of the Physical Department and co-operate with the Girls' Athletic Association. At present their interest is centered in the Monogram System as well as the Postural Campaign of the High School which is similar to the one we are conducting in the grammar grades. All the leaders have been assigned rooms in which they have been giving talks on "good posture" and stimulating interest in the campaign.

During our February vacation when visiting physical work in elementary, grammar and high schools in Baltimore, Philadelphia and New York, I found work compulsory all through the school curriculum and for four years in the High School for both girls and boys. The seriousness of the work made a great impression upon me. Cambridge has made a good start in deciding in favor of a man Physical Director for High School boys, but it seems very slow in recognizing the great need for this work and the tremendous results which come from having it compulsory—not one year—every school year. And not until this is granted can we attain the results toward which we are so eagerly striving.

Respectfully submitted,

FANNY E. BICKLEY,

Supervisor of Physical Education.

SPECIAL CLASSES

To the Superintendent of Schools:

In the weekly conference in Boston which the Special Class Teachers have attended, their text book, "The Boston Way," has been revised chapter by chapter. This has given these teachers a great deal of helpful discussion and suggestion.

More emphasis has been put this year on calling in the homes and the benefits of this cannot be over-estimated. Such interest on the part of the teacher brings the co-operation from the parent which is so much to be desired with these children. Two of the children in one of our special classes have been promoted to regular grade work.

We are hoping next year for much needed material and equipment, the acquisition of which will broaden the scope of the work of these classes.

Respectfully submitted,

ALICE V. McINTIRE,

Supervisor of Special Classes.

VACATION SCHOOLS

At a meeting of the School Committee held May 24th, 1920, it was voted that a Summer Open Air School be held at the Haggerty School building. In accordance with this vote, the Open Air Vacation School was opened on July 6th, and continued for seven weeks, closing August 20th. An account of this school will be found below.

A vacation school was also opened in the English High Building for the benefit of the pupils of the freshman and sophomore classes who failed of promotion. The school opened on Tuesday, July 6th, and continued until August 13th. Three hundred and ten pupils were registered under the charge of fifteen teachers. The average attendance for the five weeks was two hundred eighty-five.

OPEN AIR VACATION SCHOOL

To the Superintendent of Schools:

Through the co-operation of the School Department, the Board of Health, and the Anti-Tuberculosis Association, an Open Air Vacation School was conducted for the fourth consecutive summer in the Fresh Pond District with the Haggerty School as headquarters. The term extended from July 6th to August 20th.

The organization of the school differed somewhat from that of preceding years in that its membership was confined to children suffering from malnutrition to the extent of being *seven percent or more* underweight. The pupils, ranging in age from six to fourteen, were selected from the regular grades, after careful and repeated examinations by school physicians, and consultations between the parents and school nurses.

As in the past, assembly centers were established in different sections of the city and the children travelled back and forth to school under the supervision of their teachers. The daily trips on the cars were to many of the pupils among the pleasantest features of the day's routine.

On arriving at the school the children were weighed and measured by the nurses and their summer health records thus opened. Weighing and measuring were repeated weekly, and records of the gains and losses were sent to the parents accompanied by health hints entitled

"Rules of the Game." The average gain during the time the school was in session was one pound eleven ounces. At first glance this seems a somewhat small return for so great an expenditure of time, effort and money; but, when we recall that the membership was *confined strictly* to children who had been continuously on the list of seven per cent undernourished for nearly a year, despite the interest of nurse and doctor, then the significance of the summer's work becomes apparent. More than fifty of the pupils gained two pounds; eleven, three pounds; six, four pounds; three, five pounds; and one, six pounds seven ounces. Those who gained least were in almost every case children suffering from some deep-seated physical defect of long standing, and awaiting the cooler days of autumn for surgical treatment.

While the relation of weight to height is significant, it is only a starting point; so, early in the term, five physicians devoted two days to making thorough examinations. Immediately following this it became the work of the school nurses to see that the children's remediable defects were corrected. Under their supervision pupils were taken back and forth to dental and medical clinics, to hospitals and infirmaries. Physical defects of many kinds were detected, and, as far as possible, given expert treatment. It is a pleasure in this connection to record our appreciation of the zealous, patient, untiring labors of the nurses assigned to the school.

A special feature of the term of 1920 was the work along the lines of corrective gymnastics. We were fortunate in having at the school an efficient and deeply interested director of physical education. Posture tracings were made early in the session; class and individual discussions of these followed; and determined attacks were directed against faulty positions. Second tracings were made just before the close of the term and a gratifying improvement was noted.

The work and play of the school were so planned as to give the children the stimulation of new interests and free expression of them, but care was taken that their efforts did not exceed their physical strength, the fact being always kept in mind that the undernourished child trying to put on weight and height cannot give out the same amount of energy as the normal child. A varied program of games, songs, folk dancing, and handicraft was provided, planned to meet the needs of all.

Since the ultimate purpose of such an institution as the summer school is, of course, educational, efforts were made to reinforce the health influence of the school by visits to the homes to interest the

mothers and give them individual teaching and advice. For the same purpose a Health Play, acted by the children themselves, was given at the closing exercises at which many of the parents were present.

In conclusion a quotation from a recent publication of the Bureau of Education may not be out of place. "It has been repeatedly shown that a large part of our child population suffers regularly from malnutrition. We have seen also that a large part of our juvenile delinquency arises from the neglected leisure of the culprits. The play schools have shown the feasibility of dealing with the child's health and with his leisure time in an organization that adequately handles both. The play schools have shown the feasibility of utilizing co-operating civic agencies for the promotion of health and the education of the children at a comparatively low cost to the community. And they have shown that it is possible to carry the educational results of dealing with the children into the homes more effectively than it is usually done. The net results of such co-ordination of activities is the preservation of the young citizens—the human resources of the community—and their assimilation into the ways of civilized life."

The program below will give to those interested a fair idea of the activities of a typical day at the school:

DAY'S PROGRAM

| | |
|-------|---|
| 9.00 | Children meet group teacher at starting point for transportation to the school. |
| 9.30 | Opening of school; roll call. |
| 9.40 | Assembly exercises; setting-up drill; corrective gymnastics. |
| 10.00 | Milk. |
| 10.05 | Supervised play, walks, etc., in park. |
| 11.30 | Rest period, in grove or hall. |
| 12.10 | Wash-up period |
| 12.20 | Dinner. |
| 1.20 | Tooth brush drill. |
| 1.40 | Story hour, in park. |
| 2.00 | Games, walks, etc., in park. |
| 2.30 | Shower baths, at school. |
| 3.00 | Grouping for transportation. |
| 3.15 | Milk. |
| 3.30 | Dismissal. (Children accompanied on trip by the group teacher.) |

STATISTICS

| | |
|---|-------|
| Number enrolled..... | 248 |
| Average number belonging..... | 190.5 |
| Average number attending..... | 172.3 |
| Number of days school was in session..... | 34 |
| Percent of attendance..... | 90.5 |

Respectfully submitted,

GERTRUDE B. DUFFY,
Principal, Open Air Vacational School.

EVENING SCHOOLS

The Evening Schools opened for the season 1920-1921 on the first Monday in October, and the fall term closed the week ending December 17, 1920; the winter term opened on January 10, 1921, and closed on February 18, 1921.

The same buildings that were used in the past few years were again opened this year—the Putnam, Kelley, Roberts, Webster, Shepard and Haggerty elementary school buildings; the High, Rindge Technical and Merrill school buildings.

In the elementary school buildings, classes were conducted in grammar grade work, in industrial work, sewing, millinery, embroidery, and cooking, and in work for those who wished to study English and citizenship.

The Evening High School, Rindge Evening Industrial School, and the Evening Trade School for Women, were well attended. The attendance in all of the evening schools kept up so well that the appropriation for carrying them on became exhausted a little earlier than the time planned for closing and the winter term had to be shortened.

AMERICANIZATION

During the past year there were sixteen Americanization classes in our evening schools; two in our School Centers; two in the Cambridge Neighborhood House; classes in four factories, one of which employs a teacher for the full school year; two evening classes in homes; an afternoon class at the Thorndike School and three at the Kelley, one of them made up of men who were temporarily out of employment.

Four racial organizers were employed to co-operate with the evening schools. Ninety-three evening school pupils filed their first papers, and eighteen received their second papers.

The Women's Americanization Committee of the City gave us splendid co-operation and provided socials and entertainments for our Americanization classes, in many cases members of the classes taking a prominent part in the program.

Funds for carrying on Americanization classes in the factories, the homes and school centers were supplied by the City Council through its Americanization Committee.

SCHOOL CENTERS

School Centers were held in the following school buildings: The Thorndike, the Agassiz, the Peabody and the Lowell.

The Thorndike School Center was open three evenings a week and the following activities were conducted: gymnastics, basketball, dramatics, sewing, cooking, and millinery. At the Lowell Center classes were conducted one evening a week in gymnastics, dramatics, sewing, millinery and Americanization; the Agassiz and Peabody centers were open one evening a week. The activities at the Agassiz Center were millinery, dressmaking, embroidery, gymnastics, and a course of six lectures on Current Events. The Peabody School Center offered work in millinery, dressmaking, gymnastics, and Spanish.

The usual tables are herewith appended:

The following table shows the buildings used for evening school purposes and the character of the work offered in each:

TABLE I

| Schools | Classes |
|--|--|
| Rindge School: a. Industrial Classes. | Woodwork, ironwork, printing, mechanical drawing, architectural drawing, electricity, estimating, gas engine and auto repair work. |
| b. Drawing Class..... | Freehand drawing. |
| High School..... | Academic, commercial. |
| Haggerty | English for foreigners, grammar school work, dressmaking, embroidery, civil service. |
| Kelley | |
| Putnam | |
| Roberts | |
| Shepard | |
| Webster | Cooking, embroidery, sewing, millinery. |
| Evening Trade School for Women..... | |

ATTENDANCE AT THE EVENING SCHOOLS 1920-1921

The following tables show the attendance at the different evening schools, the number of assistant teachers, the number of graduates, and the cost of the schools for the year 1920-1921:

TABLE II

| Schools | Number Registered | | | Average Number Belonging | Average Attendance | Per Cent of Attendance |
|---|-------------------|---------|-------|--------------------------|--------------------|------------------------|
| | Males | Females | Total | | | |
| Rindge Ind. Classes. . . . | 342 | 1 | 343 | 206 | 158 | 77 |
| Mech. Drawing Classes | 38 | .. | 38 | 21 | 17 | 83 |
| Freehand Draw. Classes | 15 | .. | 15 | 11 | 9 | 81 |
| Evening High School. . . | 208 | 220 | 428 | 290 | 221 | 76 |
| Haggerty School. | 52 | 103 | 155 | 108 | 86 | 79 |
| Kelley School. | 197 | 184 | 381 | 198 | 165 | 83 |
| Putnam School. | 254 | 65 | 319 | 182 | 156 | 86 |
| Roberts School. | 89 | 103 | 192 | 104 | 87 | 83 |
| Shepard School. | 49 | 45 | 94 | 56 | 51 | 74 |
| Webster School. | 91 | 148 | 239 | 79 | 78 | 76 |
| Evening Trade School for Women. | .. | 225 | 225 | 222 | 194 | 87 |
| Total. | 1,335 | 1,094 | 2,429 | 1,477 | 1,224 | 80 |

COST OF THE EVENING SCHOOLS 1920-1921

TABLE III

| Schools | Salaries of Teachers | Cost of Text-books and Supplies | Cost of Janitor Service | Total | Cost per Pupil |
|------------------------------------|----------------------|---------------------------------|-------------------------|-------------|----------------|
| Rindge Industrial Classes. | \$3,677.56 | \$643.76 | \$471.51 | \$4,792.83 | \$30.33 |
| Mechanical Drawing Classes. . . | 455.50 | 68.89 | 172.00 | 696.39 | 40.96 |
| Freehand Drawing Classes. | 274.50 | 58.00 | 78.59 | 411.09 | 45.67 |
| Evening High School. | 4,763.86 | 132.48 | 414.30 | 5,310.64 | 24.03 |
| Haggerty School. | 1,537.35 | 34.61 | 156.00 | 1,727.96 | 20.09 |
| Kelley School. | 2,264.36 | 57.57 | 223.25 | 2,545.18 | 15.42 |
| Putnam School. | 2,232.86 | 19.73 | 206.62 | 2,459.21 | 15.76 |
| Roberts School. | 1,802.36 | 17.79 | 162.21 | 1,982.36 | 22.78 |
| Shepard School. | 978.85 | 29.70 | 144.50 | 1,153.05 | 22.60 |
| Webster School. | 1,700.86 | 22.02 | 374.55 | 2,097.43 | 26.89 |
| Girls' Trade School. | 1,810.58 | 269.92 | 143.10 | 2,223.60 | 11.46 |
| Total. | \$21,498.64 | \$1,354.47 | \$2,546.63 | \$25,399.74 | \$20.75 |

NUMBER OF ASSISTANT TEACHERS

1920-1921

TABLE IV

| Schools | Average Number of Assistant Teachers | |
|--------------------------------|--------------------------------------|-----------|
| | 1919-1920 | 1920-1921 |
| Rindge Industrial Classes..... | 13 | 12 |
| Rindge Drawing Classes..... | 3 | 2 |
| Freehand Drawing Classes..... | 1 | 1 |
| Evening High School..... | 15 | 15 |
| Haggerty School..... | 6 | 8 |
| Kelley School..... | 9 | 11 |
| Putnam School..... | 10 | 10 |
| Roberts School..... | 7 | 7 |
| Shepard School..... | 3 | 5 |
| Webster School..... | 7 | 7 |
| Trade School..... | 9 | 9 |
| Total..... | 83 | 87 |

NUMBER OF GRADUATES

1920-1921

TABLE V

| Schools | Number of Graduates | |
|--------------------------------|---------------------|-----------|
| | 1919-1920 | 1920-1921 |
| Rindge Industrial Classes..... | 26 | 10 |
| Mechanical Drawing Class..... | 1 | 3 |
| Freehand Drawing Class..... | 1 | 3 |
| Evening High School..... | 77 | 68 |
| Haggerty School..... | 15 | 8 |
| Kelley School..... | 21 | 20 |
| Putnam School..... | 58 | 35 |
| Roberts School..... | 25 | 22 |
| Shepard School..... | 22 | 14 |
| Webster School..... | 19 | 18 |
| Total..... | 265 | 201 |

ATTENDANCE AT THE STATE-AIDED CLASSES 1920-1921

TABLE VI

| Schools | Number Registered | | | Average Number Belonging | Average Attend- ance | Per cent of At- tendance |
|------------------------|-------------------|---------|-------|--------------------------------|----------------------------|--------------------------------|
| | Males | Females | Total | | | |
| Rindge School: | | | | | | |
| a. Industrial Classes. | 342 | 1 | 343 | 206 | 158 | 77 |
| b. Drawing Classes. | 53 | | 53 | 32 | 26 | 82 |
| Rindge School totals | 395 | 1 | 396 | 238 | 184 | 80 |
| Trade School..... | ... | 225 | 225 | 222 | 194 | 87 |
| Total..... | 395 | 226 | 621 | 460 | 378 | 83 |

ATTENDANCE AT THE INDUSTRIAL CLASSES (These classes were for women in the elementary schools.) 1920-1921

TABLE VII

| Schools | Number Registered | Average Number Belonging | Average Attendance | Per cent of Attendance |
|----------------------|----------------------|--------------------------------|-----------------------|---------------------------|
| Haggerty School..... | 103 | 73 | 67 | 92 |
| Kelley School..... | 71 | 45 | 33 | 73 |
| Roberts School..... | 52 | 21 | 17 | 81 |
| Shepard School..... | 28 | 19 | 14 | 75 |
| Webster School..... | 94 | 76 | 84 | 81 |
| Total..... | 348 | 234 | 215 | 80 |

EXPENDITURES FOR SCHOOL CENTERS
1920-1921

| | Teachers' Salaries | Janitors' Salaries | Total |
|-----------------|-----------------------|-----------------------|----------|
| Agassiz | \$260.0 | \$55.00 | \$315.00 |
| Lowell | 177.50 | 53.00 | 230.50 |
| Peabody | 242.50 | 51.63 | 294.13 |
| Thorndike | 1,328.50 | 395.00 | 1,723.50 |

In closing, I wish to thank the principals of the evening schools and school centers and all of the teachers, for their splendid interest and co-operation.

Respectfully submitted,

JAMES DUGAN,
Assistant Superintendent.

REPORT OF THE DEPARTMENT OF ART EDUCATION

To the Superintendent of Schools:

I am submitting to you the first annual report of the Department of Art Education. It covers briefly a synopsis of the work in the elementary and high schools.

On taking up my duties in September, 1920, I went over the outline of the old course of Practical Art. I could find no logical reason for continuing the name of Practical Art, since the Director of Practical Arts as used in school curricula of today assumes the responsibility of the Practical or Household Arts (sewing, cookery, millinery, etc.) "Manual Arts" was suggested, but this would imply that Manual Training was under the supervision of the Art Director, and this not being the case in Cambridge, that title was deemed unsuitable, I therefore recommended to you the title of "Director of Art Education", which, having met with your approval, was used.

I intended to confine my work during the first of the term to meeting the teachers and masters, and to getting acquainted with the Course of Study. I found, however, that due to adverse conditions of the last four years (Infantile Paralysis, coal shortage, Influenza and lack of a Director in the Art Department) the work in drawing had been neglected and needed the vivifying touch of the Director to furnish the necessary stimulus for the children.

During the past four years much of the time allotment for Drawing was used for make-up work in other studies. This, although due to unavoidable conditions, had had a serious effect on the work in the schools, which will be felt for some time to come. However, due to the co-operative spirit of the teachers, this setback has been overcome to a much greater extent than I had at first anticipated.

After realizing that the teachers and pupils had had this serious handicap in the drawing work, I decided that my immediate work was to create a stimulus and desire for drawing and design. I devoted the next three months to illustrative talks on design. Although advising the teachers to follow the old outline for the present I found a fertile field for the introduction of a certain amount of the new work. The response from both teachers and pupils was so enthusiastic that I decided to give a series of lectures in the new Course of Study for all the upper grade teachers.

During the year I gave two courses of five lectures each, the first to the 7th and 8th grade teachers, the second to the 5th and 6th grade teachers.

As a result of these lectures the teachers have, for use in the classroom, a series of 12 charts, to be used in the development of the New Course in Design. These charts show how, step by step, design may be developed and adapted. No one, adult or child, can follow these simple charts without appreciating the value and use of design in stimulating a creative and imaginative interest in Art.

It was optional with the teachers this year to apply the work or not, for I believed that their voluntary response would bring far better results to the work in Art Education. Feeling also that aesthetic principles are best learned through practice, it was arranged that the teachers would work out the actual plates and charts for their individual use and application in their classrooms under the advice and direction of the Director.

It is my wish to have the transition from the old course to the new such that it will impose as little inconvenience as possible upon the teacher.

I feel that emphasis should be placed upon design because all children and adults must be designers whether they realize it or not. They must use the principles of decoration either poorly or well each time they arrange the furniture in a room, hang a picture, choose a piece of clothing, write a circular or in any other way exercise judgment in arranging or choosing color and shape.

Whether we are consciously interested or not we must use the rules which Art has devised in making the best possible choice and arrangements. To teach this successfully in the Public Schools we must build on what the child already knows,—in other words, the association of new ideas with the old. The average grammar school child learns readily the laws or order which govern the Universe. These same laws of Order, Repetition, Alternation, Progression, Radiation and Balance are the fundamentals of design.

Since it has been conceded by leading educators that it takes at least ten years to obtain the maximum results from a new course of study, I feel that our progress thus far has been very encouraging.

In December I recommended the appointment of a Head for the Art Department in the High and Latin Schools. This recommendation was not favored by the School Committee, who, although seeing the

necessity of greater correlation between the elementary and High schools, believed the appointment of a special assistant to the director would make for better efficiency in the department. For this added service the special assistant was to be reimbursed \$200 per year. Very little change has been made as yet in the work in the high schools.

Let me take this occasion to thank the Superintendent, masters, teachers and my assistants for their spirit, not only of co-operation, but of enthusiasm and interest in the development of the course in Art Education. Their attitude has been a source of pleasure and inspiration, and has given to me a feeling of professional pride and service.

Respectfully submitted,

ALFRED F. BURKE,

Director of Art Education.

DEPARTMENT OF MUSIC

To the Superintendent of Schools:

Reactions to outside influences are, perhaps, more apparent in music than in any other subject in the curriculum. The necessity for careful guidance toward an appreciation of higher standards in music has never been more evident than now. Today it is fully as important that the pupils be taught to recognize and love the good things in music as it is that they should be able to read it, or to produce tone correctly. Nothing in our present system should be set aside, but it should be augmented and enriched by the addition of carefully selected material and the means of presenting it. Nearly all of our grammar schools, and some of our primary schools, have sound reproducing machines, which were secured through the efforts of the children themselves. Carefully graded records should be available, and their presentation should be under strict supervision. All of the schools have collections of records, but these were bought with school funds purely for entertainment purposes. There should be a very definite line of demarcation between the two objects. Future additions to the list of records for entertainment should be subject to approval, lest they interfere with the fundamental purpose of the proposed addition to the course. The establishment of this phase of instruction should not be postponed. The pupils are now in a more receptive mood than at any time since the war. The work of room teachers and members of this department has been strenuous, but the grade children are again responding as a "matter of course" to the requirements of musical instruction. It has become a habit of mind. The spiritual and moral effect of a properly presented course in Appreciation is obvious. Its establishment can be accomplished at comparatively small expense, because records may be circulated among schools, and additions to the list may be made yearly, instead of making a large appropriation at any one time.

During the year I have made experiments in the seventh and eighth grades and in High and Latin School to determine by competition whether pupils of these ages can classify songs merely by hearing the music played on the piano. These experiments were preceded by explanations of the different characteristics expressed in music of widely

differing types, such as race, nationality, religion, sentiment, the dance, etc. The competition was keen and the intelligence of response was notable, although the music selected was new to the pupils. This experiment was supplemented in High and Latin School by memory tests with the aid of the talking machine. The results prove beyond doubt that an addition to the general course may be undertaken to advantage.

My belief was strengthened by the response of pupils who wished to hear the Young People's Concerts, given in December and in March by the Boston Symphony Orchestra. The concerts were arranged primarily for pupils of Boston schools. This year Cambridge was permitted by the management to participate, 250 tickets being allotted to us for the first concert. With your permission I distributed these, but the demand was so great that I was obliged to apply for more. After some work I obtained 100 additional tickets, and these also were taken. The participants were members of the seventh and eighth grades and the high schools.

Before the concert I prepared the students so that they might listen more intelligently to the program arranged. Each one knew the origin of the solo instrument to be heard, together with the story portrayed in each selection and interesting facts concerning the composers. Afterward their recital of impressions was of great interest to other pupils, as well as illuminating to their teachers. Many high school students attended the second concert. The establishment of this form of instruction by the Symphony management is one of the most important projects, I believe, that has been placed within the reach of the public schools. The charge for tickets is nominal because the object is educational, not commercial. I regret that we cannot have such a musical treat in Cambridge to accommodate a larger number of pupils, but the expense of such an undertaking makes it prohibitive at present.

The progress made in the systematic study of Music in the grades has been noteworthy. The established policy is thoroughness,—not speed. Individual classes and environment govern the requirements. The course of study is suggestive, but the principles contained therein for each grade are covered each year. Handicaps caused by the lack of music teaching ability is generally overcome by an interchange of subjects by the teachers themselves. In the primary department Miss Ahearn hears individual work by each pupil every month, according to the grade. In the intermediate classes this work is continued by Miss

Wyman and in addition a written test was given during the April visit. In the seventh and eighth grades three and four-part singing has been taught and the ability of the pupils generally speaks well not only for the efforts of the teachers of those grades, but for the foundation work laid in the lower grades.

In all grades we have specialized for years in having the children memorize and sing the national songs, "America" and "The Star-Spangled Banner." An innovation was made in the seventh and eighth grades this year by holding a written examination in these songs, which afforded an opportunity to correlate a patriotic subject with penmanship and English. Singing these songs from memory, when one may depend on his neighbor to a greater or less extent, is comparatively easy. Writing them from memory is infinitely harder, but each pupil acquitted himself or herself in a highly creditable manner.

By a tabulated card system introduced this year the progress of each class is clearly defined. Besides enabling the teacher to tell at a glance what she has accomplished, the cards serve as an official record at the close of the year.

THE HIGH SCHOOLS

The success of the presentation of "Pinafore" in 1919, and "The Mikado" in 1920, created a desire among members of the musical clubs at High and Latin School to present publicly a similar work. "The Pirates of Penzance" was given in Newtowne Hall to crowded houses the evenings of April 15 and 16. The proceeds of these performances are used to promote the cause of Music in the school. A small sum was used to purchase a cup which was awarded in a music contest held under the auspices of the Four Arts Club. An "A" clarinet was also purchased to be used by a member of the orchestra who already had a "B flat", two being necessary in orchestral work. The new instrument remains the property of the school after the boy graduates or ceases to play in the orchestra.

The musical organizations here include a class in Harmony, with two periods each week; two orchestras; a choir of 50 voices; a Boys' Glee Club; and two choruses.

At Rindge Technical School there is a Boys' Glee Club of 40 voices and an Orchestra. The orchestra is now leading the assembly each morning and on three mornings each week I am at present directing them.

There has been some demand for the establishment of a class in Harmony here, but it came too late in the year to warrant its inception.

I wish to express my appreciation of your hearty co-operation in everything I have undertaken during the year.

Respectfully submitted,

JOHN B. WHORISKEY,

Director of Music.

ATTENDANCE OFFICERS

The work of the attendance officers is carried on under the direct supervision of the superintendent. There are seven officers, one being assigned to the high schools, five to the different school districts, and one to the work of looking after the newsboys and also assisting for about two hours a day in issuing certificates to minors.

The attendance officers are to devote all of their time to the work of their office; to inquire into all cases of absence, juvenile vagrancy, persistent disobedience to the rules of the school, and unlawful detention from school; to report to parents all cases of suspension from school; to visit each school at least once each day unless otherwise directed by the superintendent; to prevent children from loitering about school premises to the annoyance and disturbance of the neighborhood; to prosecute in the name of the city, when so directed by the superintendent, all persons violating the public statutes relating to school attendance, and to assist in taking the school census when so directed.

They are to visit and inspect each month, while the public schools are in session, all factories, workshops, and mercantile establishments in their respective districts, and ascertain if there is any violation of the public statutes relating to the employment of children; to pay particular attention to the employment of minors who are required to attend evening school as a condition of their employment; to thoroughly acquaint themselves with all cases of neglected children coming to their knowledge in their several districts. When satisfied, after a full investigation and careful consideration, that the case is one in which court proceedings should be taken, to report to the superintendent and co-operate with him in his disposition of the case.

Attendance officers may be detailed by the superintendent to be present at any school building during the session of an evening school, or whenever the building is used for other than day school purposes, to assist in the preservation of order and in the protection of property in and about the building.

The following is a summary of the reports of the work of the attendance officers for the year from September, 1919, to September 1920.

| | |
|--------------------------------------|--------|
| Number of absences investigated..... | 17 908 |
| Truancy, first offence..... | 697 |

| | |
|--|-----|
| Truancy, third offence..... | 86 |
| Children found wandering about the streets not belonging to any school..... | 105 |
| Such children sent to school..... | 98 |
| Visits to mercantile and manufacturing establishments.. | 536 |
| Children employed without certificates..... | 52 |

It is also the duty of these attendance officers to report to the schools all cases of contagious diseases which have been reported to the school department by the Board of Health. During the calender year from January 1, 1920, to January 1, 1921, the following number of cases have been reported:

| | |
|----------------------|-----|
| Chicken Pox | 588 |
| Diphtheria | 220 |
| Measles | 911 |
| Mumps | 604 |
| Scarlet Fever | 278 |
| Whooping Cough | 887 |
| German Measles | 22 |

| | |
|-------------|-------|
| Total | 3,510 |
|-------------|-------|

The statistics of the private and parochial schools, obtained by one of the attendance officers, shows that there are seven parochial schools and five private schools in the city.

The number of pupils in the private and parochial schools on April 1, 1921, was as follows:

| | |
|-------------------------|-------|
| Parochial Schools | 5,979 |
| Private Schools | 456 |

| | |
|-------------|-------|
| Total | 6,435 |
|-------------|-------|

SIGHT AND HEARING TESTS

In accordance with the laws of the state, the annual testing of the sight and hearing of the pupils was made this year as usual. All of the pupils were examined except those in the first primary grade and in the kindergartens.

The following is a summary of the tests in sight and hearing during the last four years:

| | 1917 | 1918 | 1919 | 1920 |
|-----------------------------------|--------|--------|--------|--------|
| Number enrolled | 15,238 | 15,270 | 15,528 | 15,440 |
| Number defective in sight | 1,704 | 1,503 | 1,585 | 1,674 |
| Number defective in hearing | 233 | 128 | 194 | 160 |
| Number of parents notified | 1,601 | 1,427 | 1,527 | 1,645 |

June 30, 1921.

ORDERED:

That the report of the Superintendent be accepted and adopted as the report of the School Committee for 1920.

MARIE WALSH,

Secretary.

Cambridge, Massachusetts.

STATISTICS

FINANCES

For the Financial Year from April 1, 1920, to April 1, 1921.

RECEIPTS

| | |
|--|--------------|
| Amount received from Tax Levy (\$6.40 per \$1,000 valuation)..... | \$842,110.28 |
| Amount received from Tax on Intangibles, collected by state..... | 73,191.51 |
| Amount received by special act of Legislature (\$2.10 per \$1,000 valuation) | 276,317.44 |
| Unexpended balance from 1919-1920..... | 37,227.63 |
| Revenue received | 23,929.40 |

Total amount available for support of schools.....\$1,252,776.26

EXPENDITURES

| | |
|--|--------------|
| Salaries of teachers, all schools..... | \$912,266.05 |
| Administrative salaries | 51,886.10 |
| General administrative expenses..... | 7,484.74 |
| Text-books and supplies..... | 68,926.20 |
| Transportation of pupils..... | 699.52 |
| Care of truants | 76.71 |
| Tuition to other cities..... | 461.92 |
| Janitor service | 81,043.14 |
| Janitor's supplies | 3,298.18 |
| Fuel and light..... | 62,572.67 |
| Repairs to buildings..... | 31,003.98 |
| Furniture and furnishings..... | 1,480.85 |
| Other school expenses..... | 4,246.33 |
| Refund on Minors' Licenses..... | 43.50 |

Total expenditures\$1,225,489.89

| | |
|--|-------------|
| Balance unexpended and carried forward to 1921-1922..... | \$27,286.37 |
| Outstanding bills for 1920-1921..... | \$1,440.51 |
| Special teachers' salary appropriation carried forward...22,372.00 | 23,817.51 |
| Net unexpended balance..... | \$3,473.86 |

COST OF INSTRUCTION

From April 1, 1920, to April 1, 1921

| Schools and Officers | Cost of Instruction | Average Number of Pupils for the Year Ending in June | Cost per Pupil |
|--|---------------------|--|----------------|
| High and Latin School..... | \$165,934.46 | 1,909 | \$86.92 |
| Rindge Technical School..... | 80,645.78 | 673 | 119.83 |
| Grammar Schools..... | 288,504.41 | 6,573 | 43.89 |
| Primary Schools..... | 213,225.52 | 5,088 | 41.91 |
| Kindergartens..... | 41,439.38 | 699 | 59.29 |
| Open Air Classes..... | 15,405.66 | 143 | 107.73 |
| Substitute Teachers..... | 16,412.20 | | |
| Continuation School..... | 14,765.92 | | |
| Department of Practical Art..... | 3,265.00 | | |
| Department of Music..... | 6,069.00 | | |
| Department of Physical Education..... | 4,284.00 | | |
| Manual Training and Pre-Vocational Work..... | 18,733.46 | | |
| Teachers of Sewing..... | 9,013.30 | | |
| Teachers of Cooking..... | 2,380.16 | | |
| Teacher of Stammerers..... | 1,677.00 | | |
| Teacher of Vision Class..... | 1,656.00 | | |
| Teachers at Agassiz Museum..... | 3,362.71 | | |
| Superintendent..... | 6,000.00 | | |
| Assistant Superintendents..... | 2,644.00 | | |
| Supervisor of Primary Schools..... | 2,460.00 | | |
| Supervisor of Kindergartens..... | 2,460.00 | | |
| Director of Continuation Schools..... | 3,300.00 | | |
| Business Agent..... | 3,000.00 | | |
| Pension for Agent..... | 1,425.00 | | |
| Supt. of School Buildings and Grounds..... | 2,500.00 | | |
| Superintendent of Public Buildings..... | 1,400.00 | | |
| Clerks..... | 8,748.10 | | |
| Porter..... | 1,300.00 | | |
| Attendance Officers..... | 12,600.00 | | |
| Total..... | \$934,611.06 | 15,085 | \$61.96 |
| Cost of Instruction in the Evening Industrial School..... | | | \$3,677.56 |
| Cost of Instruction in the Evening Drawing Schools..... | | | 730.00 |
| Cost of Instruction in the Evening Elementary Schools..... | | | 10,516.64 |
| Cost of Instruction in the Evening Trade School for Girls..... | | | 1,810.58 |
| Cost of Instruction in the Evening High School..... | | | 4,763.86 |
| Total..... | | | \$21,498.64 |
| Cost of Instruction in Vacation Schools..... | | | \$4,568.00 |
| Cost of Instruction in Civic Centers..... | | | \$2,008.50 |
| Special Afternoon Session for Harvard..... | | | \$1,465.95 |

COST OF INSTRUCTION IN THE DAY SCHOOLS

Salaries of teachers, superintendents, supervisors, agent, clerks, and truant officers.

| Year | Number of Teachers in December | Number of Pupils in December | Average Number of Pupils for Year Ending in June | Total Cost | Cost per Pupil |
|------|--------------------------------|------------------------------|--|--------------|----------------|
| 1912 | 473 | 15,502 | 14,946 | \$432,370.47 | \$28.93 |
| 1913 | 485 | 15,909 | 15,258 | 469,292.44 | 30.75 |
| 1914 | 499 | 16,105 | 15,510 | 501,693.10 | 32.34 |
| 1915 | 523 | 16,232 | 15,581 | 545,686.00 | 35.02 |
| 1916 | 530 | 15,750 | 15,799 | 594,460.37 | 37.63 |
| 1917 | 519 | 15,659 | 15,202 | 610,050.79 | 40.13 |
| 1918 | 531 | 15,578 | 14,936 | 653,324.23 | 43.74 |
| 1919 | 518 | 15,731 | 14,487 | 722,974.99 | 48.31 |
| 1920 | 517 | 15,669 | 15,085 | 934,611.06 | 61.96 |

COST OF THE DAY SCHOOLS

Cost of instruction, of text-books and supplies, of incidental expenses, of the care of truants, the care of schoolhouses, and of the transportation of pupils, but not including repairs.

| Year | Number of Teachers in December | Number of Pupils in December | Average Number of Pupils for Year Ending in June | Total Cost | Cost per Pupil |
|------|--------------------------------|------------------------------|--|--------------|----------------|
| 1912 | 473 | 15,502 | 14,946 | \$535,683.13 | \$35.84 |
| 1913 | 485 | 15,909 | 15,258 | 566,215.45 | 37.11 |
| 1914 | 499 | 16,105 | 15,510 | 607,875.97 | 39.19 |
| 1915 | 523 | 16,232 | 15,581 | 664,001.18 | 42.62 |
| 1916 | 530 | 15,750 | 15,799 | 725,161.39 | 45.90 |
| 1917 | 519 | 15,659 | 15,202 | 739,004.77 | 48.61 |
| 1918 | 531 | 15,578 | 14,936 | 837,308.55 | 56.05 |
| 1919 | 518 | 15,731 | 14,487 | 901,980.42 | 62.25 |
| 1920 | 517 | 15,669 | 15,085 | 1,190,899.07 | 78.96 |

COST OF INSTRUCTION IN THE EVENING SCHOOLS

| Year | Drawing | Industrial | High | Elementary | Director | Total |
|------|----------|------------|------------|-------------|----------|-------------|
| 1915 | \$528.00 | \$1,861.50 | \$3,558.00 | †\$8,336.50 | ..... | \$14,284.00 |
| 1916 | 678.00 | 1,829.50 | 3,502.50 | 8,540.00 | ..... | 14,550.00 |
| 1917 | 432.00 | 1,936.50 | 3,215.00 | 7,917.00 | ..... | 13,500.50 |
| 1918 | *565.00 | *2,716.00 | 2,268.50 | 5,910.00 | \$300.00 | *11,759.50 |
| 1919 | **674.50 | **4,992.50 | 3,491.50 | 8,109.00 | ..... | **17,267.50 |
| 1920 | 5818.50 | 5,983.00 | 4,763.85 | 10,516.64 | ..... | 22,082.00 |

†Including the trade class, etc.

*This amount includes \$589.74 received from Smith-Hughes Fund.

**This amount includes \$880.19 received from Smith-Hughes Fund.

“ “ “ \$583.36 “ “ “ “ “

GENERAL STATISTICS

Population of Cambridge

| | | | |
|-----------|--------|-----------|---------|
| 1875..... | 47,838 | 1905..... | 97,434 |
| 1885..... | 59,600 | 1910..... | 104,391 |
| 1895..... | 81,643 | 1915..... | 108,822 |
| 1920..... | | | 109,646 |

School Census

Number of children in the city between five and sixteen years of age:

| | |
|---|--------|
| boys, 11,380; girls, 11,096 | 22,476 |
| Number in the city between five and seven..... | 3,645 |
| Number in the city between seven and fourteen..... | 13,949 |
| Number in the city between fourteen and sixteen..... | 4,882 |
| Number in the public schools between five and sixteen..... | 14,074 |
| Number in the private schools between five and sixteen..... | 6,280 |
| Number not attending school between five and sixteen..... | 2,122 |

Schools and Classrooms

December, 1920

| | | | |
|--|----|------------------------|-----|
| (a) High and Latin School..... | 1 | Classrooms in use..... | 52 |
| (b) Rindge Technical School..... | 1 | " " " | 34 |
| Continuation School..... | 1 | " " " | 19 |
| (c) Elementary Schools..... | 27 | " " " | 314 |
| Kindergartens..... | 19 | " " " | 19 |
| Evening Industrial School..... | 1 | " " " | 12 |
| Evening Drawing Schools..... | 2 | " " " | 2 |
| Evening High School..... | 1 | " " " | 16 |
| Evening Elementary Schools..... | 6 | " " " | 40 |
| Evening Trade School..... | 1 | " " " | 10 |
| Whole number of Day Schools..... | | | 30 |
| Whole number of classrooms for Day Schools..... | | | 419 |
| Whole number of Evening Schools..... | | | 11 |
| Whole number of classrooms for Evening Schools | | | 80 |

(a) This school occupies two buildings and has assembly halls, libraries, lecture rooms, recitation rooms, chemical and physical laboratories, a drawing room and a gymnasium.

(b) This school occupies three buildings and has an assembly hall, drawing rooms, recitation rooms, chemical, electrical and physical laboratories, and rooms for various kinds of shop work.

(c) Sixteen of these schools have assembly halls.

NUMBER OF TEACHERS IN THE DAY SCHOOLS

| December | High and Latin School | Rindge Technical School | Elementary Schools | Kinder-gartens | Contitu-ation School | Directors and Special Teachers | Total |
|----------|-----------------------|-------------------------|--------------------|----------------|----------------------|--------------------------------|-------|
| 1916 | 88 | 32 | 355 | 33 | 0 | 16 | 530 |
| 1917 | 88 | 30 | 346 | 33 | 0 | 16 | 519 |
| 1918 | 92 | 32 | 343 | 30 | 0 | 34 | 531 |
| 1919 | 87 | 35 | 332 | 31 | 0 | 33 | 518 |
| 1920 | 83 | 34 | 335 | 31 | 11 | 22 | 516 |

ATTENDANCE AT ALL THE DAY SCHOOLS

| Year | Number Registered | | | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-------------------|-------|--------|--------------------------|--------------------------|------------------------|
| | Boys | Girls | Total | | | |
| 1916 | 8,846 | 8,597 | 17,443 | 15,799 | 14,599 | 92.4 |
| 1917 | 8,521 | 8,331 | 16,852 | 15,202 | 14,111 | 92.8 |
| 1918 | 8,619 | 8,033 | 16,652 | 14,509 | 13,290 | 91.5 |
| 1919 | 8,330 | 8,304 | 16,634 | 14,440 | 13,034 | 90.2 |
| 1920 | 8,459 | 8,091 | 16,550 | 15,085 | 13,710 | 90.8 |

ATTENDANCE AT THE HIGH AND LATIN SCHOOL

| Year | Number Registered | | | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-------------------|-------|-------|--------------------------|--------------------------|------------------------|
| | Boys | Girls | Total | | | |
| 1916 | 785 | 1,604 | 2,389 | 2,166 | 2,033 | 92.9 |
| 1917 | 748 | 1,613 | 2,361 | 2,142 | 2,016 | 93.7 |
| 1918 | 859 | 1,431 | 2,290 | 2,001 | 1,887 | 94.2 |
| 1919 | 622 | 1,525 | 2,147 | 1,908 | 1,757 | 92.2 |
| 1920 | 668 | 1,369 | 2,037 | 1,909 | 1,744 | 91.3 |

ATTENDANCE AT THE RINDGE TECHNICAL SCHOOL

| Year | Number of Pupils Registered | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-----------------------------|--------------------------|--------------------------|------------------------|
| 1916 | 702 | 620 | 577 | 93.1 |
| 1917 | 694 | 608 | 566 | 93.1 |
| 1918 | 706 | 562 | 530 | 94.3 |
| 1919 | 697 | 585 | 544 | 92.9 |
| 1920 | 724 | 673 | 630 | 93.6 |

ATTENDANCE AT THE GRAMMAR SCHOOLS

| Year | Number Registered | | | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-------------------|-------|-------|--------------------------|--------------------------|------------------------|
| | Boys | Girls | Total | | | |
| 1916 | 3,966 | 3,717 | 7,683 | 7,131 | 6,674 | 93.6 |
| 1917 | 3,838 | 3,597 | 7,435 | 6,892 | 6,489 | 94.1 |
| 1918 | 3,785 | 3,534 | 7,319 | 6,518 | 6,097 | 93.5 |
| 1919 | 3,620 | 3,592 | 7,212 | 6,711 | 6,145 | 91.5 |
| 1920 | 3,637 | 3,606 | 7,243 | 6,671 | 6,192 | 92.8 |

ATTENDANCE AT THE PRIMARY SCHOOLS

| Year | Number Registered | | | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-------------------|-------|-------|--------------------------|--------------------------|------------------------|
| | Boys | Girls | Total | | | |
| 1916 | 2,955 | 2,789 | 5,744 | 5,171 | 4,726 | 91.4 |
| 1917 | 2,792 | 2,716 | 5,508 | 4,927 | 4,510 | 91.5 |
| 1918 | 2,820 | 2,626 | 5,446 | 4,777 | 4,253 | 89.0 |
| 1919 | 2,933 | 2,745 | 5,678 | 4,558 | 4,049 | 88.8 |
| 1920 | 2,945 | 2,677 | 5,622 | 5,132 | 4,595 | 89.5 |

ATTENDANCE AT THE KINDERGARTENS

| Year | Number Registered | | | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-------------------|-------|-------|--------------------------|--------------------------|------------------------|
| | Boys | Girls | Total | | | |
| 1916 | 438 | 487 | 925 | 711 | 589 | 82.7 |
| 1917 | 449 | 405 | 854 | 633 | 530 | 83.7 |
| 1918 | 449 | 442 | 891 | 650 | 523 | 80.4 |
| 1919 | 458 | 442 | 900 | 678 | 539 | 79.9 |
| 1920 | 485 | 439 | 924 | 700 | 549 | 78.4 |

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE HIGH AND LATIN SCHOOL

| Year | Boys | Average Age | Girls | Average Age |
|------------|------|-------------------|-------|-------------------|
| 1916 Sept. | 229 | 14 years 1 months | 555 | 14 years 5 months |
| 1917 Sept. | 236 | 14 years 1 months | 528 | 14 years 2 months |
| 1918 Sept. | 189 | 14 years 1 month | 490 | 14 years 3 months |
| 1919 Sept. | 216 | 14 years 0 month | 427 | 14 years 3 months |
| 1920 Sept. | 242 | 14 years 2 month | 500 | 14 years 3 months |

NUMBER OF PUPILS GRADUATED FROM THE HIGH AND LATIN SCHOOL

| Year | Boys | Average Age | Girls | Average Age |
|------|------|--------------------|-------|--------------------|
| 1916 | 87 | 17 years 9 months | 193 | 18 years 0 months |
| 1917 | 78 | 18 years 0 months | 167 | 17 years 10 months |
| 1918 | 67 | 16 years 6 months | 147 | 16 years 7 months |
| 1919 | 65 | 17 years 10 months | 181 | 17 years 9 months |
| 1920 | 94 | 17 years 5 months | 173 | 17 years 7 months |

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE
RINDGE TECHNICAL SCHOOL, WITH THE NUMBER OF
GRADUATES

| Year | Admitted | Average Age | Graduated in June | Average Age |
|------------|----------|-------------------|----------------------|-------------------|
| 1916 Sept. | 331 | 14 years 3 months | 62 | 18 years 7 months |
| 1917 Sept. | 303 | 14 years 4 months | 67 | 18 years 6 months |
| 1918 Sept. | 306 | 14 years 2 months | 46 | 17 years 9 months |
| 1919 Sept. | 328 | 14 years 3 months | 57 | 18 years 2 months |
| 1920 Sept. | 336 | 14 years 5 months | 51 | 17 years 9 months |

NUMBER OF PUPILS GRADUATED FROM THE GRAMMAR SCHOOLS

| Year | Boys | Average Age | Girls | Average Age |
|-----------|------|-------------------|-------|-------------------|
| 1916 June | 597 | 14 years 4 months | 613 | 14 years 3 months |
| 1917 June | 559 | 14 years 6 months | 531 | 14 years 2 months |
| 1918 June | 400 | 14 years 4 months | 407 | 14 years 4 months |
| 1919 June | 408 | 14 years 6 months | 399 | 13 years 7 months |
| 1920 June | 485 | 14 years 2 months | 455 | 14 years 3 months |

NUMBER OF PUPILS COMPLETING THE PRIMARY COURSE OF
STUDY

| Year | Boys | Average Age | Girls | Average Age |
|------|------|------------------|-------|------------------|
| 1916 | 750 | 9 years 6 months | 684 | 9 years 3 months |
| 1917 | 676 | 9 years 4 months | 736 | 9 years 5 months |
| 1918 | 603 | 9 years 3 months | 593 | 9 years 2 months |
| 1919 | 595 | 9 years 7 months | 588 | 8 years 9 months |
| 1920 | 608 | 9 years 7 months | 623 | 9 years 4 months |

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE GRAMMAR SCHOOLS

| Year | In 4 Years or Less | In 5 Years | In 6 Years | In More Than 6 Year |
|------|-----------------------|-------------|-------------|------------------------|
| 1916 | 11 per cent | 54 per cent | 31 per cent | 4 per cent |
| 1917 | 13 per cent | 57 per cent | 26 per cent | 4 per cent |
| 1918 | 16 per cent | 62 per cent | 18 per cent | 4 per cent |
| 1919 | 18 per cent | 64 per cent | 15 per cent | 3 per cent |
| 1920 | 11 per cent | 61 per cent | 19 per cent | 9 per cent |

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE PRIMARY SCHOOLS

| Year | In Less Than 3 Years | In 3 Years | In 4 Years | In More Than 4 Years |
|------|-------------------------|-------------|-------------|-------------------------|
| 1916 | 6 per cent | 57 per cent | 31 per cent | 6 per cent |
| 1917 | 5 per cent | 58 per cent | 27 per cent | 10 per cent |
| 1918 | 5 per cent | 57 per cent | 33 per cent | 5 per cent |
| 1919 | 4 per cent | 51 per cent | 31 per cent | 14 per cent |
| 1920 | 3 per cent | 56 per cent | 28 per cent | 13 per cent |

NUMBER OF PUPILS IN THE HIGH AND LATIN SCHOOL, DECEMBER, 1920

| Year | Boys | Girls | Total | Per cent |
|--------------------|------|-------|-------|----------|
| Post Graduate..... | 15 | 14 | 29 | .014 |
| Twelfth..... | 90 | 181 | 271 | .136 |
| Eleventh..... | 143 | 240 | 383 | .193 |
| Tenth..... | 158 | 324 | 482 | .242 |
| Ninth..... | 289 | 538 | 827 | .415 |
| Totals..... | 695 | 1,297 | 1,992 | |

NUMBER OF PUPILS IN THE RINDGE TECHNICAL SCHOOL,
DECEMBER, 1920

| Year | Boys | | Per cent |
|---------------|------|---|----------|
| Twelfth..... | 88 | This school is for boys only. It became a part of the public school system January 1, 1899. | .132 |
| Eleventh..... | 101 | | .152 |
| Tenth..... | 185 | | .279 |
| Ninth..... | 290 | | .437 |
| Total..... | 664 | | |

NUMBER OF PUPILS IN THE GRAMMAR SCHOOLS, DECEMBER, 1920

| Year | Boys | Girls | Total | Per cent |
|--------------|-------|-------|-------|----------|
| Eighth..... | 500 | 556 | 1,056 | .163 |
| Seventh..... | 620 | 653 | 1,273 | .196 |
| Sixth..... | 721 | 698 | 1,419 | .218 |
| Fifth..... | 661 | 671 | 1,332 | .205 |
| Fourth..... | 709 | 708 | 1,417 | .218 |
| Total..... | 3,211 | 3,286 | 6,497 | |

NUMBER OF PUPILS IN THE PRIMARY SCHOOLS, DECEMBER, 1920

| Year | Boys | Girls | Total | Per cent |
|-------------|-------|-------|-------|----------|
| Third..... | 769 | 795 | 1,564 | .290 |
| Second..... | 879 | 793 | 1,672 | .311 |
| First..... | 1,159 | 990 | 2,149 | .399 |
| Total..... | 2,686 | 2,578 | 5,385 | |

NUMBER OF PUPILS AND TEACHERS IN THE KINDERGARTENS

| Year | Boys' | Girls | Total | Number of Teachers |
|------|-------|-------|-------|--------------------|
| 1916 | 336 | 301 | 637 | 33 |
| 1917 | 423 | 407 | 830 | 33 |
| 1918 | 356 | 351 | 707 | 32 |
| 1919 | 419 | 382 | 801 | 31 |
| 1920 | 368 | 402 | 770 | 31 |

NUMBER OF AGE AND SCHOOLING CERTIFICATES ISSUED

| 1915 | 1916 | 1917 | 1918 | 1919 | 1920 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1,109 *4,691 | 2,354 *7,163 | 3,347 *7,226 | 4,229 *7,967 | 3,004 *5,749 | 2,622 *5,452 |

*Issued to minors over sixteen years of age.

SUMMARY

Number of pupils belonging in December, 1920

| | |
|---|--------|
| Number of pupils in the High and Latin School..... | 1,992 |
| Number of pupils in the Rindge Technical School..... | 664 |
| Number of pupils in the Grammar Grades..... | 6,497 |
| Number of pupils in the Primary Grades..... | 5,385 |
| Number of pupils in the Kindergartens..... | 770 |
| Number of pupils in the Open Air Classes..... | 140 |
| Number of pupils in Special Classes..... | 94 |
| Number of pupils in the Ungraded Classes..... | 127 |
| Number of pupils in the public schools, December, 1920..... | 15,669 |
| Number of pupils in the public schools, December, 1919..... | 15,731 |
| Decrease of pupils, December, 1920..... | 62 |
| Decrease of pupils, 1911..... | 305 |
| Increase of pupils, 1912..... | 174 |
| Increase of pupils, 1913..... | 407 |
| Increase of pupils, 1914..... | 196 |
| Increase of pupils, 1915..... | 127 |
| Decrease of pupils, 1916..... | 482 |
| Decrease of pupils, 1917..... | 91 |
| Decrease of pupils, 1918..... | 81 |
| Increase of pupils, 1919..... | 153 |
| Decrease of pupils, 1920..... | 62 |

NUMBER OF PUPILS REGISTERED IN THE EVENING DRAWING
SCHOOLS, WITH THE AVERAGE ATTENDANCE

| | 1917-1918 | 1918-1919 | 1919-1920 | 1920-1921 |
|--------------------|-----------|-----------|-----------|-----------|
| Number registered | 52 | 59 | 87 | 53 |
| Average attendance | 24 | 21 | 36 | 27 |

NUMBER OF PUPILS REGISTERED IN THE EVENING INDUSTRIAL
SCHOOL, WITH THE AVERAGE ATTENDANCE

| | 1917-1918 | 1918-1919 | 1919-1920 | 1920-1921 |
|--------------------|-----------|-----------|-----------|-----------|
| Number registered | 180 | 257 | 360 | 343 |
| Average attendance | 74 | 93 | 134 | 158 |

NUMBER OF PUPILS REGISTERED IN THE EVENING HIGH SCHOOL,
WITH THE AVERAGE ATTENDANCE

| | 1917-1918 | 1918-1919 | 1919-1920 | 1920-1921 |
|--------------------|-----------|-----------|-----------|-----------|
| Number registered | 902 | 523 | 490 | 428 |
| Average attendance | 354 | 234 | 241 | 221 |

NUMBER OF PUPILS REGISTERED IN THE EVENING ELEMEN-
TARY SCHOOLS, WITH THE AVERAGE ATTENDANCE*

| | 1917-1918 | 1918-1919 | 1919-1920 | 1920-1921 |
|--------------------|-----------|-----------|-----------|-----------|
| Number registered | 1,643 | 968 | 1,428 | 1,605 |
| Average attendance | 708 | 492 | 631 | 817 |

*Including the Evening Trade School for Women.

TABULAR VIEW
Teachers in Service. April, 1921

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|------------------------------|-------------|--|-----------------------------|
| High and Latin School | | | |
| Leslie L. Cleveland | Head Master | Williams College, A.B. | Jan. 1910 |
| Chester M. Bliss | Master | Amherst College, A.B., A.M. | Sept. 1907 |
| Thomas L. Bramhall | " | Harvard University, A.B. | Sept. 1910 |
| George H. Cain | Teacher | Potomac College, A.B. | Sept. 1909 |
| Joseph A. Coolidge | " | Harvard University, A.B., A.M. | Mar. 1892 |
| James M. Cunningham* | " | (Cambridge High Schools. Cambridge Commercial College, 2 years) | Oct. 1916 |
| Cecil T. Derry† | " | Harvard University, A.B., A.M. | Oct. 1905 |
| Timothy F. Downey | " | Harvard University, A.B. | Sept. 1912 |
| George H. Glasheen | " | Fitchburg Business College. | |
| Horace E. Jacobs | " | Boston University, B.B.A. | Oct. 1914 |
| James H. Leonard | " | Brown University, A.B., A.M. (Medical School, 1 year) | Oct. 1915 |
| | " | Harvard University, A.B. (Law School, 1 year. Graduate School, 1 year) | Sept. 1915 |
| Alice C. Baldwin | " | Wellesley College, A.B. | Sept. 1895 |
| Margaret M. Ball | " | Lawrence University, Wis., A.B. | Feb. 1912 |
| Edith T. Bates | " | Framingham Normal School (Course at Simmons College) | Sept. 1909 |
| Ernest Benshimol | " | Harvard University, A.B. | Sept. 1920 |
| Margaret S. Bradbury | " | Radcliffe College, A.B.‡ | Jan. 1902 |
| Alice M. Brown | " | Normal School of Gymnastics. (Special Courses) | Sept. 1910 |
| Natalie A. Browning | " | Radcliffe College, A.B.‡ | Sept. 1916 |
| Katharine A. Burke | " | (Special Courses in Sewing, etc.) | Oct. 1907 |
| Isabel S. Burton | " | (Private schools and studied abroad) | Sept. 1899 |
| Anna P. Butler | " | Trinity College, Washington, D. C. A.B.‡ | Sept. 1909 |
| Grace M. Cassiday | " | Brockton Business College. (Courses at Simmons College and Boston University) | Sept. 1916 |
| Ethel E. Carr | " | Radcliffe College, A.B. | Sept. 1908 |
| Alice D. Chamberlain | " | Radcliffe College, A.B. | Sept. 1900 |
| Caroline Close | " | Cambridge Training School. (Special Courses) | Nov. 1874 |
| Bertha L. Cogswell | " | Boston University, A.B., A.M. | Jan. 1894 |
| Grace A. Coyle | " | Radcliffe College, A.B. | Sept. 1912 |
| Gertrude H. Crook | " | Boston University, A.B. Radcliffe College, A.M. | Sept. 1896 |
| Grace L. Deering | " | Maine Seminary. (Courses abroad and at Radcliffe College) | Feb. 1892 |
| Grace E. Dennett | " | Radcliffe College, A.B., A.M., Simmons College, S.B. | Sept. 1907 |

*On leave of absence.

†Resigned June, 1911, and reappointed September, 1912.

‡Attended the Wellington Training School.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|---------------------------------------|---------|---|-----------------------------|
| High and Latin School Con. | | | |
| Mary L. Diehl | Teacher | English High School. (Attended College of Commerce, Sim- mons College and Harvard Summer School) | April 1915 |
| Esther S. Dodge | " | Boston University, A.B. | Oct. 1897 |
| Sarah Dolan | " | Radcliffe College, A.B. | Sept. 1916 |
| Ellen C. Doherty | " | Radcliffe College, A.B.† | Sept. 1915 |
| Elizabeth M. Driscoll | " | Boston University, A.B. | Mar. 1914 |
| Lillian E. Edgerly | " | Farmington, N. H., High School. (Bradford Academy, 1 year, Western College, Ohio, 1 year. Bryant & Stratton's Business College) | Sept. 1916 |
| Ruth B. Elliott | " | Iowa State Normal School. (Bryant and Stratton's Busi- ness College) | Sept. 1916 |
| Sara L. Fisher | " | Smith College, A.B. | Sept. 1910 |
| Elizabeth B. Flanders | " | Framingham Normal Art School. (Courses at Radcliffe) | Sept. 1905 |
| Louise A. Forrest | " | Boston University, A.B. | Feb. 1913 |
| Florence H. French | " | Radcliffe College, A.B. | Nov. 1909 |
| Josephine V. Hagarty | " | Chicopee Normal School, Bay Path Commercial Institute. (Courses at Harvard and Simmons Colleges) | Sept. 1918 |
| Mary C. Hardy | " | Smith College, A.B. | Dec. 1891 |
| Lillian R. Hartigan | " | Emerson College of Oratory† | June 1915 |
| Elizabeth L. Huling | " | Radcliffe College, A.B., A.M. | Sept. 1905 |
| Sarah W. Kelly | " | Wellesley College, A.B. | Feb. 1911 |
| Grace E. Knight | " | Wellesley College, A.B.† | April 1914 |
| Maud A. Lawson | " | Radcliffe College, A.B. | Sept. 1892 |
| Katherine B. Lyons | " | Radcliffe College, A.B. | Sept. 1915 |
| Ethel M. MacLeod | " | Radcliffe College, A.B.† | Mar. 1906 |
| Gertrude M. Mason | " | Gorham, Me., Normal School. Bryant and Stratton's Com. Col., Springfield, Mass. | Feb. 1912 |
| Inez McCaffrey | " | Radcliffe College, A.B. (Post-graduate course at Brown University) | Sept. 1915 |
| Mary R. McCarthy** | " | Radcliffe College, A.B. | Dec. 1914 |
| Beatrice M. McDonald | " | Salem Normal School, Commer- cial Course, 3 years | Sept. 1916 |
| Ethel G. McElroy | " | Radcliffe College, A.B., A.M. | Sept. 1911 |
| Henrietta E. McIntire | " | Radcliffe College, A.B., A.M. | Sept. 1891 |
| Josephine A. McLaughlin | " | Posse Normal School of Gym- nastics. (Sargent Normal School of Gymnastics, 1 yr.) | Oct. 1916 |
| Esther E. Morse | " | Boston University, A.B. | Sept. 1915 |

**Was clerk in school from September, 1912.

†Attended the Wellington Training School.

TABULAR VIEW—Continued

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|--|-----------|--|--------------------------|
| High and Latin School, Con. | | | |
| Helen F. Morton | Teacher | Massachusetts Normal Art School | Apr. 1914 |
| Jane O. Mosher | " | Boston University, A.B. ° | Sept. 1911 |
| Mary Moulton | " | (Attended Wellesley College 3 years. Special Courses and studied abroad) | Sept. 1890 |
| Mary E. Murray | " | Radcliffe College, A.B. | Sept. 1908 |
| Louisa P. Parker | " | Westfield Normal School. (Courses at Radcliffe College) | Mar. 1881 |
| Jane G. Ricker | " | Cambridge Latin School. (Radcliffe College, 2 years.) (Special Courses. Studied abroad) | Sept. 1915 |
| Lillian C. Rogers | " | Boston University, A.B. | Sept. 1893 |
| Eva M. Ruggli | " | Radcliffe College, A.B. | Feb. 1912 |
| Hilda Russell | " | Wellesley College, A.B. Kindergarten Training School ° | Sept. 1912 |
| Ethel V. Sampson | " | Radcliffe College, A.B. | Sept. 1899 |
| Caroline A. Sawyer | " | Boston University, A.B., Radcliffe College, A.M. | Sept. 1886 |
| Adele Schroder | " | (Radcliffe College, 2 years) (Studied abroad) | Feb. 1916 |
| Madeleine L. Slade | " | Salem Normal School. (Simmons College Summer School) | Sept. 1916 |
| Florence W. Smith | " | Radcliffe College, A.B. | Sept. 1897 |
| Martha R. Smith | " | Boston Normal School. (Courses at Harvard and private courses) | Jan. 1882 |
| Delia M. Stickney | " | Institute of Technology, S.B. | Sept. 1888 |
| Jennie S. Spring | " | Smith College, A.B. | Mar. 1886 |
| Annie F. Stratton | " | Radcliffe College, A.B. | Sept. 1899 |
| Blanche E. Townsend | " | Salem Normal School. (Special Courses) | Sept. 1900 |
| Agnes L. Tracy | " | Cambridge High School. (Radcliffe College, 3 years) | Oct. 1904 |
| Anna M. Walsh | " | Smith College, A.B. ° | April 1914 |
| Winifred A. Waters | " | Boston University, A.B. ° | Sept. 1914 |
| Mabel D. Watson | " | Radcliffe College, A.B. | Sept. 1901 |
| Lucy T. White | " | Sargent School for Physical Education | April 1913 |
| Alice S. Willoughby | " | Mass. Normal Art School. (Radcliffe College, 1 year) | Mar. 1914 |
| Madeleine Wood | " | Radcliffe College, A.B. ° | Sept. 1907 |
| Bessie L. Forbes | Dietitian | Miss Farmer's School of Cookery. (Courses at Columbia University and Simmons College) | Sept. 1916 |

°Attended the Wellington Training School.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|--|-------------------|---|-----------------------------|
| High and Latin School — Con. | | | |
| Leander A. MacDonald | Teacher- Coach | Bridgewater Normal School. Harvard College, 1 year. Tufts College, 1 year | Sept. 1918 |
| Katherine S. Carroll | Secretary | Bryant and Stratton's Commer- cial College | Nov. 1914 |
| Rosemary Horgan | Secretary | Cambridge Latin School. Rad- cliffe College, 3 years | Mar. 1920 |
| Rindge Technical School | | | |
| John W. Wood, Jr. | Head Master | Harvard University, S.B. | Jan. 1899 |
| James F. Conlin | Master | Harvard University, A.B., A.M. | Feb. 1905 |
| Myra I. Ellis | Teacher | Cambridge Training School. (Berlin University) | Feb. 1878 |
| Caroline L. Blake | " | Wheaton College, A.B. (Special Courses) | Sept. 1894 |
| Mary H. Cunningham | " | Simmons College | Sept. 1918 |
| Gertrude B. Rogers | " | (Attended Colby College, 2 years.) Tufts College, 2 years, A.B. | Feb. 1911 |
| Anna R. Ward | " | Indiana State University, A.B. | Sept. 1909 |
| Ingolf V. Bockmann | " | Norway Technical School. (Attended Sloyd Schools) | Feb. 1911 |
| Edgar R. Breed | " | Mass. Normal Art School | Nov. 1912 |
| Edward P. Chester* | " | Clark College, A.B. (Attended Columbia College, 2 sum- mers) | Nov. 1914 |
| Burton L. Cushing | " | Institute of Technology | Oct. 1914 |
| Joseph B. Davison† | " | Malden High School. (Special Courses) | Apr. 1909 |
| Walter R. Gilbert | " | Somerville High School. (Special Courses) | Oct. 1919 |
| George H. Gohlke | " | University of Wisconsin, B.L. | Sept. 1911 |
| Evan W. Griffiths | " | Harvard University, A.B., A.M. | Sept. 1903 |
| John C. Hall | " | Boston University, S.B. | Sept. 1908 |
| Charles C. Jones | " | Warner, N. H., High School | Sept. 1911 |
| Francis P. Jordan | " | Attended Waltham High School | Oct. 1919 |
| Lester W. Ladd | " | Harvard University, B.A.S. | Sept. 1910 |
| Charles A. Linehan | " | Harvard University, S.B. | Sept. 1914 |
| Henry C. Lynch | " | Harvard University, University Lyons, France | Sept. 1920 |
| Edward R. Markham | " | Wesleyan Academy. (Courses in Mechanical Engineering) | Sept. 1903 |
| James T. McElligott | " | Harvard University, A.B., A.M. (Division of Education) | Sept. 1915 |
| Saville Moore | " | Common Schools | April 1921 |
| William Mullins | " | University of Maine, A.B. | Sept. 1916 |

* On leave of absence.

† Temporary teacher from October, 1918.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|--|----------------|---|-----------------------------|
| Rindge Technical—Con. Martin F. O'Connor | Teacher | Boston College. A.B. Courses Graduate School, Division of Education, Harvard Uni- versity, 3 years | Sept. 1914 |
| Abbott O. Paine | " | Rindge Manual Training School | Sept. 1915 |
| Otis A. Philbrick | " | Mass. Normal Art School | Sept. 1911 |
| Leverett L. Preble | " | (Private Instruction and Shop Experience. Special Courses) | Sept. 1910 |
| Charles H. Richert | " | Boston Normal Art School | Dec. 1905 |
| Albert Sateriale | " | Harvard University | Jan. 1921 |
| James G. Telfer | " | Common Schools | June 1889 |
| Marion L. Pike | Secretary | Cambridge Latin School | Sept. 1909 |
| Agassiz School Maria L. Baldwin | Master | Cambridge Training School. (Courses at Harvard) | Sept. 1882 |
| Lillian M. Cuddy | Master's Asst. | Salem Normal School° | Dec. 1904 |
| Susan L. Senter | 7 | Medway High School° | Sept. 1898 |
| Marietta L. McNamara | 6 | Cambridge High School. (Attend- ed Salem Normal School) | Nov. 1912 |
| Ada M. Litchfield | 6-5 | Boston Normal School° | May 1891 |
| Clara W. Ruggli | 5 | Bridgewater Normal School. (Special College Course)° | Sept. 1900 |
| Frances W. Dawson | | Bradford Academy. (Special Courses) | Sept. 1902 |
| Lucy A. Roper | 3 | Salem Normal School° | Sept. 1907 |
| ose M. Hill | 2 | Kindergarten Training School° | Sept. 1911 |
| Margaret C. Fitzgerald | 2 | Mass. Normal Art School | Dec. 1916 |
| Grace C. Stedman | 1 | Cambridge High School. Kin- dergarten Training School | May 1896 |
| Katherine C. Hussey | 1 | Kindergarten Training School° | Nov. 1912 |
| Boardman School Elizabeth J. Karcher | Principal | Cambridge Training School. (Special Courses) | May 1881 |
| Anna M. Vaughan | 3 | Lowell Normal School | Sept. 1920 |
| Sybil L. M. Cronin | 3 | Salem Normal School° | Sept. 1912 |
| Eileen R. Marshall | 3 | Framingham Normal School | April 1917 |
| Malvina M. Joslin | 2 | Northfield, Vt., Normal School. (Hyannis Normal School. Summer Course)° | May 1891 |
| Mary C. Ward | 2 | Salem Normal School° | Mar. 1911 |
| Mabel E. Blake | 1 | North Andover High School. (Salem Normal School, 1 year) | Jan. 1892 |
| Mary K. Kelley | 1 | Framingham Normal School° | Nov. 1915 |
| Gertrude Gorman | 1 | Salem Normal School | Oct. 1919 |
| Ellis School Ernest Libby | Master | Bridgewater Normal School. (Chicago University) | Sept. 1906 |

°Attended the Wellington Training School

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also other Courses) | Date of Appoint- ment |
|---|---------------------|---|-----------------------------|
| Ellis School—Con. Katharine M. Greene Adelaide G. Bunker | Master's Asst. 8 | Salem Normal School ° Castine, Me., Normal School. (Attended Bridgewater Normal School) | Sept. 1904 Nov. 1902 |
| Mary A. Stephenson | 8 | Bridgewater Normal School ° | Sept. 1898 |
| Florence M. Dudley | 7 | Salem Normal School ° | Dec. 1897 |
| Mary T. Cashman | 7 | Salem Normal School ° | Nov. 1915 |
| Mary A. Macklin | 7 | Salem Normal School ° | Dec. 1902 |
| Ellen T. O'Keefe | 6 | Boston Normal School, (College Courses) | Sept. 1903 |
| Katharine F. Leahy | 6 | Salem Normal School ° | Sept. 1916 |
| M. Alice Mahoney | 6 | Salem Normal School | Sept. 1916 |
| Alice G. Dacey | 5-4 | Salem Normal School ° | Jan. 1909 |
| Katharine L. Dolan | Pre-vocat'n'l | Salem Normal School | Nov. 1898 |
| Felton School C. Florence Smith | Prin. 3 | Boston Normal School. (Harvard Summer School) ° | Jan. 1888 |
| Annie M. Street | 3 | Westfield Normal School. (Attended Summer Institute) | Sept. 1889 |
| Marcia R. Bowman | 2 | Framingham Normal School ° | Sept. 1895 |
| Sarah L. O'Reilly | 1 | Salem Normal School ° | Jan. 1915 |
| Carrie H. Smith | 1 | Cambridge Training School | Jan. 1875 |
| Agnes C. Doherty | Open Air | Kindergarten Training School ° | Sept. 1913 |
| Marguerite E. Brenner | Open Air | Lowell Normal School | Nov. 1918 |
| Fletcher School George B. Colesworthy | Master | Bowdoin College, A.B., Harvard University, A.B. | Sept. 1903 |
| Nellie A. Coburn | Master's Asst. | Lowell High School. (Attended Private Seminary) | Sept. 1901 |
| Emma G. Wentworth | 7 | Salem Normal School ° | Oct. 1902 |
| Alice M. Chamberlain | 6 | Salem Normal School ° | Sept. 1913 |
| Mary I. Chapin | 6 | (Attended Indiana Normal School) | Oct. 1904 |
| Blanche M. Gould | 3 | Colby Academy, N. H. (Boston University, 2½ years) ° | Oct. 1904 |
| Helena M. Maguire | 5 | Salem Normal School ° | Jan. 1915 |
| Elmira F. Hall | 4 | Cambridge High School ° | May† 1897 |
| Gertrude M. Baker | 4-3 | Radcliffe College, A.B. ° | Sept. 1905 |
| Martha B. Perkins | 3 | Salem Normal School | Sept. 1904 |
| Catherine Culhane | 2 | Kindergarten Training School ° | Jan. 1915 |
| Mae E. Sullivan | 2 | Lowell Normal School | Nov. 1919 |
| Eva A. Taylor | 2-1 | Cambridge High School ° | May 1886 |
| Margaret E. Jones | 1 | Kindergarten Training School ° | Sept. 1913 |
| Ethel M. Cooper | 1 | Lowell Normal School | Nov. 1915 |
| Rebecca C. Feeny** | 1 | Salem Normal School | Sept. 1919 |
| Eleanor E. O'Brien | Ungraded | Salem Normal School ° | Sept. 1909 |

°Attended the Wellington Training School

†Taught previous to this and resigned.

*§Assigned to the factory class at the American Rubber Company.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|------------------------|----------------|---|-----------------------------|
| Gannett School | | | |
| Mary A. Rady | Prin. 2 | Normal School and School of Ex- pression. (Special Courses) | Sept. 1880 |
| Elizabeth A. Carroll | 3 | Framingham Normal School° | Jan. 1915 |
| Annie M. Billings | 2-1 | Cushing Academy. (Attended Quincy Training School) | May 1893 |
| Julia V. Looney | 2 | Salem Normal School | Dec. 1919 |
| Hilda A. Anderson | 1 | Salem Normal School | Sept. 1920 |
| Gore School | | | |
| Mary E. Mulloney | Principal | Cambridge Training School. (Special Courses) | Sept. 1878 |
| Catherine L. Dinneen | 3 | Salem Normal School° | Dec. 1908 |
| Anastasia R. Peters | 3 | Newton High School. (Special Courses)° | Oct. 1892 |
| Lillian M. Brown | 2 | Lowell Normal School° | Nov. 1918 |
| Agnes M. Harrington | 2 | Salem Normal School | Oct. 1919 |
| Julia G. McHugh | 2 | Salem Normal School° | Oct. 1894 |
| Anna E. Callahan | 1 | Salem Normal School | Sept. 1883 |
| Marguerite F. Doherty | 1 | Lowell Normal School° | Sept 1913 |
| Katharine A. Hegarty | 1 | Coburn, Me., Classical Institute. (Special Courses) | Sept. 1896 |
| Irene F. Kline | 1 | Lowell Normal School | Jan. 1920 |
| Frances M. Donovan | Ungraded | Kindergarten Training School° | Nov. 1912 |
| Haggerty School | | | |
| Raymond A. FitzGerald | Master | Harvard University, S. B., gradu- ate School Courses, Di- vision of Education, Har- vard University, 3 years | Sept. 1913 |
| Clintina E. Curtis | Master's Asst. | Plymouth, N. H., Normal School | Dec. 1907 |
| Alice C. Sullivan | 7 | Fitchburg Normal School° | Nov. 1915 |
| Margaret G. Cronin | 6 | Fitchburg Normal School° | Feb. 1917 |
| Katharine A. Brennan | 5 | Bridgewater Normal School | Nov. 1918 |
| Julia M. Davis | 4 | Baltimore High School. (Mary- land Normal School, 1 year) | May 1900 |
| Louise A. Kelley | 3 | Lowell Normal School° | Dec. 1911 |
| Mary A. O'Connor | 2 | Salem Normal School° | Nov. 1915 |
| Harriet R. Harrington | 1 | St. Johnsbury Academy. (Special Courses) | Sept. 1897 |
| Anna G. Lynch | 1 | Lowell Normal School | Jan. 1919 |
| Harvard School | | | |
| William L. MacGregor | Master | Richmond, N. S., High School. (Attended Hyannis Normal School) | Sept. 1906 |
| Katharine L. Carr | Master's Asst. | Potsdam, N. Y., Normal School | Nov. 1901 |
| Marcia E. R. Hardy | 8 | Farmington, Me., Normal School (Maine Seminary, 2 terms) | Sept†1916 |
| Marguerite L. Harris | 8 | Framingham Normal School° | April 1914 |
| Addie L. Bartlett | 7 | Castine, Me., Normal School (Special Courses at Harvard) | Sept. 1890 |

°Attended the Wellington Training School.

†Taught previous to this and resigned.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|----------------------------|----------------|--|-----------------------------|
| Harvard School—Con. | | | |
| Katherine F. Smith | 7 | Bridgewater Normal School° | Sept. 1912 |
| Annie B. Lowell | 7 | Portland, Me., Normal School | Jan. 1898 |
| Frances Fabyan | 6 | Cambridge Training School | April 1878 |
| Elizabeth L. Setchell | 6 | Salem Normal School | Sept†1888 |
| Margaret M. Fearn | 6 | Salem Normal School° | Mar. 1897 |
| Grace I. Nelligan | 5 | Salem Normal School° | Sept. 1911 |
| Esther M. Spaulding | 5 | Framingham Normal School° | Nov. 1918 |
| Lillian B. Dorney | 5 | Framingham Normal School | Jan. 192 |
| Helen M. Welch | 4 | Lowell Normal School | Nov. 191 |
| May M. Strong | 4 | Gloucester High School. Gloucester Training School. (Special Course in Boston) | May 1917 |
| Kathryn A. Biggane | 4 | Lowell Normal School | Nov. 1918 |
| H. Maud Maclean | Special | University of New Brunswick, B.A.° | Mar. 1896 |
| Carolyn E. Macdonald | Special | Salem Normal School° | Jan. 1909 |
| Houghton School | | | |
| James E. White | Master | Bridgewater Normal School. Sloyd School. (Special Courses) | Jan. 1906 |
| R. Emily Penney | Master's Asst. | Salem Normal School° (Special Courses) | June 1893 |
| Helene M. Seils | 7 | Salem Normal School° | Sept 1909 |
| Anna T. Shea | 7-6 | Salem Normal School | Sept. 1920 |
| Hattie Shepherd | 6 | Cambridge Training School. (Special Courses) | Sept. 1882 |
| Katharine F. Callahan | 5 | Salem Normal School° | Nov. 1903 |
| Mary L. Edmunds | 5 | Salem Normal School° | Jan. 1915 |
| Grace S. Beckwith | 4 | Westfield Normal School. (Special Courses)° | Sept†1904 |
| Edith M. Snow | 4 | Lowell Normal School | Nov. 1920 |
| Mary G. Snow | 3 | Salem Normal School° | Sept. 1905 |
| Anastasia Donovan | 3 | Salem Normal School | Sept. 1919 |
| Millie A. Isaac | 2 | Salem Normal School. (Evening Freehand Course, Massachusetts Normal Art School, 2 years)° | Sept. 1909 |
| Jennie E. Brooks | 2 | Salem Normal School° | Sept. 1910 |
| Elizabeth M. Kline | 1 | Salem Normal School° | Sept. 1912 |
| Elizabeth D. Pierce | 1 | Kindergarten Training School (Special Courses)° | Sept. 1913 |
| Josephine G. Lynch | Special | Lowell Normal School | Nov. 1919 |
| Kelley School | | | |
| H. Warren Foss | Master | Colby College, A.B. (Courses at Harvard) | Sept. 1904 |
| Catharine A. McLean | Master's Asst. | Salem Normal School° | Oct. 1899 |
| Emma J. Houlahan | 7 | Salem Normal School° | Sept. 1903 |
| Florence E. Hunter | 7 | Castleton, Vt., Normal School. (Troy Conference Academy, 3 years. Summer Schools. Boston University Extension Courses) | Feb. 1900 |

°Attended the Wellington Training School.

†Taught previous to this and resigned.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|---------------------------|----------------|--|-----------------------------|
| Kelley School—Con. | | | |
| Esther D. Paul | 6 | Boston University, A.B. ° | Oct. 1899 |
| Ellen A. Kidder | 6 | (Teachers' Courses and Summer Courses at Harvard) ° | Oct. 1890 |
| Maude M. Dutton | 5 | Bridgewater Normal School ° | Oct. 1899 |
| Grace F. Mullins | 4 | Salem Normal School ° | Jan. 1915 |
| Agnes M. McLean | 4 | Framingham Normal School | Nov. 1918 |
| Anna W. Browning | 3 | Plymouth, N. H., Normal and Training School. (Special Courses at Radcliffe) | Nov. 1917 |
| Eva G. Oakes | 3 | Warren High School. (Martha's Vineyard Summer School, 5 years) ° | Oct. 1898 |
| Helena O'Loughlin | 2 | Lowell Normal School ° | Nov. 1915 |
| Ellen T. Carroll | 2 | Kindergarten Training School ° | Sept. 1907 |
| Olive L. Cook | 1 | Framingham Normal School. (Summer Courses) | April 1905 |
| Elizabeth M. McCann | 2 | Salem Normal School ° | Apr. 1917 |
| Mary A. Maguire | 1 | Salem Normal School ° | Sept. 1913 |
| Mary E. Regan | Special Class | Salem Normal School ° | Oct. 1899 |
| Lowell School | | | |
| Margaret Kidd | Prin. 4 | Cambridge Training School. (Special Courses) | Sept. 1880 |
| Mary B. Cullinan | 3-2 | Bangor High School. Bangor Training School | Sept. 1917 |
| Eliza F. McLean | 1 | Sudbury High School. Private Business School. (Hyannis Normal School, 2 years) | April 1918 |
| Merrill School | | | |
| Louise W. Harris | Principal | Cambridge Training School. (Special Courses) | Jan. 1876 |
| Katharine Pendergast | 3 | Warren High School ° | Sept. 1909 |
| Nellie F. Walker | 3 | Kennebunk, Me., High School. (Attended Com. College) | Sept. 1899 |
| Margaret F. Dwyer | 2 | Kindergarten Training School | Feb. 1914 |
| Margaret C. Boland | 2 | Bridgewater Normal School ° | Dec. 1916 |
| Marion B. Magwire | 1 | Framingham Normal School ° | June 1894 |
| Gertrude S. Thayer | 1 | Salem Normal School ° | Sept. 1903 |
| Margaret O'Reilly | 1 | Salem Normal School | Nov. 1919 |
| Morse School | | | |
| John J. Salmon | Master | Holy Cross College, A.B. Clark University, A.M. | Sept. 1916 |
| Elizabeth H. Richards | Master's Asst. | Robinson Seminary, N. H. ° | Jan. 1899 |
| Anna A. O'Connell | 8 | Bridgewater Normal School. (University and Private Courses) ° | Sept. 1900 |
| Winifred L. Kinsley | 7 | Boston Normal School ° | Sept. 1888 |
| Edith M. Carman | 7 | Salem Normal School ° | Dec. 1904 |

°Attended the Wellington Training School.

†Taught previous to this and resigned.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|--|----------------|---|-----------------------------|
| Morse School—Con. Lucy M. Soulee | 6 | Everett High School. (Boston University and Private Courses, Dartmouth College Summer School) | Sept. 1893 |
| Alice E. May | 6 | Bridgewater Normal School | Oct. 1893 |
| Mary E. Warren | 5 | Lawrence Academy, Groton. (Hyannis Normal and N. Adams Training Schools) | Jan. 1902 |
| Mary H. Manning | 5 | Salem Normal School° | Sept. 1913 |
| Ida J. Holmes | 4 | R. I. Normal School. (Summer Courses and Private Lessons) | Sept. 1895 |
| Anna F. Kelley | 4 | Framingham Normal School | Nov. 1918 |
| Elizabeth J. Baldwin | 3 | Boston Normal School° | Jan. 1886 |
| Christina R. Denyven | 3 | Bridgewater Normal School. (Special Courses)° | Jan. 1888 |
| Agnes J. Moran | 2 | Salem Normal School° | Sept. 1909 |
| Margaret F. Toole | 2 | Bangor Training School | Sept. 1919 |
| Anna L. P. Collins | 1 | (Attended Plymouth, N. H., Normal School) | Sept. 1893 |
| Alice A. Harrington | 1 | Salem Normal School° | Nov. 1915 |
| Jane J. White | 1 | Fitchburg Normal School | Sept. 1920 |
| Parker School Mary A. Knowles | Principal | Billerica High School. (Special Courses) | Sept. 1897 |
| Cordelia C. Rowe | 3 | Cambridge English High School. (Courses at Hyannis and Harvard) | Dec. 1919 |
| Eléanor M. O'Toole | 2 | Fitchburg Normal School | Nov. 1919 |
| Agnes Marchant | 1 | Mt. Holyoke Seminary. Bridge- water Normal School. (Spe- cial Courses) | Oct. 1894 |
| Helen E. Bradley | 1 | Bridgewater Normal School | Sept. 1920 |
| Peabody School Frederick B. Thompson | Master | Teachers' School of Science. Bridgewater Normal School | Nov. 1894 |
| Anna F. Bellows | Master's Asst. | Lancaster Academy | Sept. 1889 |
| Frances F. Curtis | 8 | Bridgewater Normal School. (Special Courses) | Mar. 1898 |
| Susan C. Allison | 7 | Cambridge High School. (At- tended Boston Normal School)° | Sept. 1889 |
| Helen A. Abbott | 7 | Radcliffe College, A.B.° | Sept. 1911 |
| Bernice E. Bartlett | 6 | Emerson College of Oratory° | Sept. 1907 |

°Attended the Wellington Training School.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|----------------------------|------------------------|--|-----------------------------|
| Peabody School—Con. | | | |
| Anna H. Welsh | 6 | (Attended Wellesley College 2 years ‡ | Sept. 1901 |
| Blanche C. Trefethen | 5 | Normal Department, Robinson Seminary ‡ | Mar. †1895 |
| Tina M. King | 5 | Bridgewater Normal School ‡ | Sept. 1908 |
| Butella E. L. Conland | 4 | Randolph, Vt. Normal School | Dec. 1898 |
| Mary A. Burke | 3 | Salem Normal School ‡ | Sept. 1885 |
| Edith F. Pulsford | 2 | Kindergarten Training School ‡ | Sept. 1910 |
| Elizabeth Higgins | 2 | Lowell Normal School | Nov. 1919 |
| Maud E. Brown | 1 | Kindergarten Training School ‡ | Jan. 1915 |
| Clara A. Goodere* | 1 | Fitchburg Normal School | Jan. 1910 |
| Minnie H. Ketchum | 1 | Kindergarten Training School ‡ | Sept. 1913 |
| Annie M. R. Sturtevant | Special | Wellesley College, A.B. ‡ | Dec. 1907 |
| Putnam School | | | |
| John H. Graham | Master | Bridgewater Normal School. (Boston University Extension Courses) | June 1913 |
| Maude M. Mixer | Master's Asst. | Teachers' School of Science. Bridgewater Normal School | Sept. 1905 |
| Sarah M. Grieves | 7 | Cambridge Training School | Oct. 1882 |
| Margaret F. O'Keefe | 6 | Salem Normal School ‡ | Sept. 1900 |
| Martha Chisholm | 6 | Gloucester Training School. (Special Courses) | Sept. 1907 |
| Jane E. McKearin | 5 | Wellesley College, A.B. ‡ | Sept. 1907 |
| Lena L. Ramhofer | 5 | Salem Normal School ‡ | Sept. 1912 |
| Mary A. Carmichael | 4 | Salem Normal School | Feb. 1889 |
| Annie A. Trelegan | 4 | Salem Normal School (Special Courses) ‡ | Dec. 1891 |
| Mary A. Lincoln | 3 | Bridgewater Normal School. (University Extension and Private Courses) | Oct. 1912 |
| Mary R. Collins | 2 | Lowell Normal School. (Summer School Course) ‡ | Sept. 1914 |
| Annie A. Rea | 1 | Castine, Me., Normal School. (Special Courses) | Sept. 1909 |
| Mary A. O'Toole | Special Class | Lowell Normal School ‡ | Dec. †1912 |
| Nellie A. Kerrigan | (Pre-Vocational Class) | Salem Normal School ‡ | Oct. 1904 |
| Roberts School | | | |
| W. Mortimer MacVicar | Master | Acadia College, N. S., A.B., A.M. (Harvard Graduate School, 2 years) | Sept. 1900 |
| Louise H. Griswold | Master's Asst. | Terryville High School. Special Courses) | Sept. 1893 |
| Caroline M. Williams | 8 | Cambridge Training School | Sept. 1880 |
| Dora Leadbetter | 7 | Framingham Normal School. (Radcliffe College 2 years) | Sept. 1906 |
| Harriette E. Shepard | 7 | Salem Normal School. (Special Courses) | Oct. 1890 |

*On leave of absence.

†Resigned for one year and was reappointed.

‡Attended the Wellington Training School.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|---|----------------|--|-----------------------------|
| Roberts School-Con. Bessie W. C. Fuller | 6 | Vermont Academy, 2 years. (Hyannis Normal School, 2 summers) | Sept. 1909 |
| Mary E. Flahavan | 6 | Lowell Normal School. (Courses at Boston College and University Extension Courses)† | Sept. 1913 |
| Helen Moynihan | 6 | Framingham Normal School. (State Course for Evening School Teachers) | Nov. 1920 |
| Evelyn B. Kenney | 5 | Castine, Me., Normal School. (Course at Harvard) | Nov. 1886 |
| M. Louise Gallagher | 5 | Bridgewater Normal School† (Special Courses) | Jan. 1915 |
| Helena R. Riley | 5 | Bridgewater Normal School† | Feb. 1917 |
| Mary M. Brigham | 4 | Winchenden High School. (Special Courses) | April 1882 |
| Anna E. Dailey | 4 | Salem Normal School† | Sept. 1910 |
| Martha L. Kivlan | 4 | Lowell Normal School† | Mar. 1918 |
| Helen M. Long | Open Air | Salem Normal School† | Jan. 1915 |
| Henriette E. de Rochemont | Open Air | Portsmouth, N. H., Normal School | Sept. 1894 |
| Catherine M. Connell | Special | Lowell Normal School | Nov. 1918 |
| Russell School Arthur C. Wadsworth | Master | Harvard University, S.B., Woos- ter Univ., Ohio, A.M., Ph.D. Bridgewater Normal School | Sept. 1897 |
| Mary S. Bingham | Master's Asst. | Salem Normal School. (Special work at Radcliffe) | Sept. 1904 |
| Sara S. Coyne | 7 | Salem Normal School† | Feb. 1912 |
| Ida J. Mahoney | 7 | Framingham Normal School† | April 1903 |
| Josephine F. Rowe | 6 | Salem Normal School† | Mar. 1909 |
| Margaret M. Carroll | 5 | Salem Normal School† | Sept. 1911 |
| Marguerite E. Porter | 5 | Framingham Normal School† | Oct. 1911 |
| Annie W. Cooper | 4 | Salem Normal School† | Sept. 1911 |
| Alice V. Connelly | 2 | Salem Normal School† | Sept. 1908 |
| Alice Ford Sullivan | 2-1 | Kindergarten Training School† | Jan. 1915 |
| Carrie J. Allison | 1 | Cambridge High School. (Pri- vate School)† | Sept. 1896 |
| Evelyn F. Leddy | 1 | Salem Normal School | Dec. 1918 |
| Shepard School Anna E. Welch | Principal | Salem Normal School† | Sept. 1904 |
| Alice M. Gage | 5 | High School. (Mt. Holyoke Col- lege, 2 years) | Mar. 1900 |
| Anna G. Scannell | 4 | Salem Normal School† | Sept. 1905 |
| Agnes K. Geary | 3 | Salem Normal School† | Jan. 1909 |
| Catherine T. Murphy | 2 | Salem Normal School† | Nov. 1915 |
| Mary H. Brooks | 1 | Bridgewater Normal School | Sept. 1898 |
| Margaret W. Murphy | 1 | Kindergarten Training School† | Jan. 1915 |
| Nettie I. Haff | Special | Salem Normal School† | Sept. 1906 |

†Attended the Wellington Training School

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|-------------------------|----------------|--|-----------------------------|
| Sleeper School | | | |
| Elizabeth G. Nelligan | Principal | Cambridge English High School. (Attended Salem Normal School. Summer Schools and Extension Courses at Harvard College, Simmons College and Boston Univer- sity)† | Dec. 1899 |
| Melissa M. Lloyd | 5 | Charlestown High School. (Spe- cial Courses) | Sept†1893 |
| Cora B. Poole | 4 | Salem Normal School† | Feb. 1906 |
| Evelyn M. Dormer | 3 | Salem Normal School† | Dec. 1897 |
| Katherine A. Mahoney | 2 | Salem Normal School† | Sept. 1913 |
| Catherine M. Herlihy | 2 | Salem Normal School† | Sept. 1913 |
| Mary R. Harrington | 1 | Salem Normal School† | Oct. 1910 |
| Mary A. Brennan | 1 | Framingham Normal School | Dec. 1916 |
| Tarbell School | | | |
| Carrie P. Pierce | Prin. 2 | Gloucester High School. (Salem Normal School, 1 year.) (Special Courses)† | Oct. 1890 |
| Irene A. McCarthy | 3 | Lowell Normal School | Sept. 1920 |
| Mary S. Redican | 2 | Kindergarten Training School | Sept. 1915 |
| Anna F. Moran | 1 | Kindergarten Training School. (Evening Course at Boston College)† | Sept. 1911 |
| Lillian M. Tynes | 1 | Salem Normal School† | Sept. 1913 |
| Thorndike School | | | |
| Francis J. O'Hara | Master | Boston College, A.B., A.M. Boston Normal School | Sept. 1912 |
| Harriet A. Townsend | Master's Asst. | Framingham Normal School. (Special Courses) | Sept. 1887 |
| Mary E. Bousquet | 7 | Salem Normal School† | Sept. 1909 |
| Teresa M. Sullivan | 7-6 | Lowell Normal School | Sept. 1920 |
| Honora F. O'Brien | 6 | Gloucester High School. (Attend- ed Boston Normal School) | Sept. 1909 |
| Grace W. Fletcher | 5 | Cambridge Training School | Feb. 1874 |
| Gertrude R. O'Hara | 5 | Salem Normal School† | Oct. 1910 |
| Jennie L. Powell | 4 | Salem Normal School† | Sept. 1911 |
| Florence A. Hickey | 4 | Salem Normal School† | Sept. 1912 |
| Ethel McLaughlin | 3 | Lowell Normal School | Sept. 1920 |
| Minnie A. Doran | 3 | Salem Normal School (Special Courses) | Sept. 1895 |
| Caroline B. Butler | | Lowell Normal School | Nov. 1918 |
| Julia A. Walsh | 2 | Salem Normal School† | Sept. 1910 |
| Gertrude A. Murphy | 2 | Salem Normal School. (Special Courses)† | Sept. 1912 |
| Alice G. Nolan | 2 | Salem Normal School | Nov. 1918 |
| Anna N. Sullivan | 2 | Boston Normal School† | Mar. 1901 |
| Elizabeth B. Gahm | 1 | Cambridge Training School. (Special Courses) | Sept. 1882 |
| Alice W. Gaughan | 1 | Salem Normal School. (Special Courses)† | Mar. 1911 |
| Louise J. Butcher | 1 | Lowell Normal School | Oct. 1920 |
| Luella M. Marsh | Open Air | Cambridge Training School. | Feb. 1884 |
| Margaret J. McCann | Open Air | Lowell Normal School | Jan. 1920 |
| Charlotte M. Cairnes | Special Class | Salem Normal School† | Nov. 1915 |

†Taught previous to this and resigned.

‡Attended the Wellington Training School

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|--------------------------|---------------------|---|-----------------------------|
| Webster School | | | |
| John D. Billings | Master | Bridgewater Normal School: Boston Sloyd Training School. Tufts College A.M. (Honorary) | Sept. 1872 |
| Alice C. Phinney | Master's Asst. | (Attended Bridgewater Normal School) | Oct. 1881 |
| Martha N. Hanson | 8 | (Attended N. H. Normal School) | Mar. 1890 |
| Josephine Hills | 8 | Framingham Normal School | Sept. 1893 |
| Mary E. Ramsdell | 8 | Farmington, Me., Normal School | Apr. 1920 |
| Neva L. Hanson | 7 | (Attended Summer Normal School Courses at Lowell Institute) | Feb. 1919 |
| Mary T. Laffin | 7 | Gorham (Me.) Normal School | Dec. 1918 |
| Ellen C. Connell | 7 | Boston Normal School† | Feb. 1916 |
| Margaret J. Penney | 7 | Cambridge Training School. (Special Courses) | April 1882 |
| Mabel T. Ashley | 6 | Framingham Normal School | Sept. 1896 |
| Mary F. Fahey | 5 | Gorham (Me.) Normal School | Nov. 1917 |
| Agnes E. Corry | 6 | Lowell Normal School† | April 1914 |
| Hilda Holman | 6 | Lowell Normal School. (Summer sessions at Col- leges) | Sept. 1917 |
| Abbie M. MacNiff | 5 | Fitchburg Normal School | Apr. 1916 |
| Minnie V. Reid | 5 | Boston Normal School† | Sept. 1888 |
| Frances I. Menkes | 5 | Salem Normal School | Nov. 1920 |
| Harriet D. Cunningham | 4 | Salem Normal School† | Nov. 1918 |
| Grace E. Dalton* | 4 | Salem Normal School† | Nov. 1915 |
| Emma M. Goodwin | 4 | Farmington, Me., Normal School. (Special Courses) | Feb. 1910 |
| Ethel L. Stratton | 4 | Quincy Training School (Special courses Boston University) | Sept. 1920 |
| Gertrude I. Johnson | 4 | Worcester Normal School | Sept. 1901 |
| Louise Wingate | 4 | North Adams Normal School† | Sept. 1912 |
| Ada A. Billings | Special Teacher | Bridgewater Normal School | Sept. 1889 |
| Nora P. Nason | Pre-voca- tional | Gorham, Me., Normal School. (Special Courses) | Dec. 1906 |
| Wellington School | | | |
| Harold B. Blazo | Master | Harvard University, A.B. | Sept. 1910 |
| Mary I. Vinton | Supervisor | Salem Normal School. (Special Courses) | Mar. 1881 |
| Carrie H. Stevens | Master's Asst. | Farmington, Me., Normal School. (Special Courses) | Nov. 1894 |
| Grace F. Chamberlain | 8 | Framingham Normal School. (Teachers' School of Science) | April 1903 |
| Nina L. Kendall | 7 | Randolph, Vt., Normal School | Sept. 1909 |
| Ellen T. Fitzgerald | 7 | Bridgewater Normal School† | Sept. 1916 |
| Mildred F. Reinhalter | 7 | Bridgewater Normal School† | Apr. 1914 |

*On leave of absence

†Attended the Wellington Training School.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|----------------------------------|-----------|--|-----------------------------|
| Wellington School—Con. | | | |
| Marie Brandon | 6 | Bridgewater Normal School | Sept. 1920 |
| Emily A. Moran | 6 | Lowell Normal School† | Sept. 1916 |
| Marion I. Wood | 6 | Salem Normal School† | Sept. 1916 |
| Anna M. Fitzgerald | 5 | Salem Normal School† | Sept. 1916 |
| Mary J. Murphy | 5 | Salem Normal School† | Sept. 1916 |
| Gertrude T. Noyes | 5 | Lowell Normal School† | Sept. 1917 |
| Florence M. Feeley | 4 | Radcliffe College, A.B.† | Nov. 1915 |
| Mary E. Sullivan | 4 | Salem Normal School† | Feb. 1920 |
| M. Gertrude Shea | 4 | Framingham Normal School | Sept. 1920 |
| Esther M. Hanley | 3 | Salem Normal School | Nov. 1918 |
| Anna M. Broughton | 3 | Salem Normal School† | Sept. 1916 |
| Mary Kalunian | 3 | Salem Normal School† | Sept. 1916 |
| Anna M. Harrington | 2 | Salem Normal School† | Sept. 1916 |
| Ruth F. Igo | 2 | Salem Normal School† | Sept. 1916 |
| Mary A. Laffey | 1 | Salem Normal School† | Nov. 1917 |
| Margaret Jacobs | 1 | Lowell Normal School† | Sept. 1916 |
| Mary J. Keefe | 1 | Fitchburg Normal School† | Sept. 1916 |
| Catherine H. Shaughnessey | 1 | Lowell Normal School | Sept. 1920 |
| Mary L. Balfe | Ungraded | Framingham Normal School | Sept. 1920 |
| M. Agnes Tierney | Special | Framingham Normal School | Nov. 1918 |
| Willard School | | | |
| Katharine E. Hayes | Principal | Framingham Normal School | Sept. 1902 |
| Gertrude T. Sullivan | 3 | Salem Normal School | Dec. 1902 |
| Gertrude B. Maguire | 3 | Salem Normal School | Nov. 1918 |
| Mildred E. Murray | 3 | Lowell Normal School† | April 1918 |
| Mary A. O'Callaghan | 3 | Cambridge English High School. (Attended Salem Normal School.) | Sept. 1913 |
| Lucy F. Cline | 2 | Kindergarten Training School† | Oct. 1910 |
| Elizabeth M. Crowley | 2 | Salem Normal School† | Dec. 1901 |
| M. Louise Kane | 2 | Kindergarten Training School | Sept. 1914 |
| Agalina Aldrich | 2 | Cushing Academy. (Wellesley College, 2 years) | Sept. 1901 |
| Caroline A. Sullivan | 2-1 | Kindergarten Training School† | Nov. 1912 |
| Elizabeth J. O'Keefe | 1 | Kindergarten Training School. Hyannis Normal School | Oct. 1905 |
| Dorothy R. Duvey | 1 | Kindergarten Training School† | Jan. 1915 |
| Alice G. Lynch | 1 | Lowell Normal School | Nov. 1918 |
| Mary R. O'Keefe | 1 | Salem Normal School | Nov. 1918 |
| M. Olive McQuillen | 1 | Lowell Normal School | Jan. 1920 |
| Wyman Open Air School | | | |
| Agnes J. McElroy | Principal | Salem Normal School† | Dec. 1891 |
| Winifred B. Goodwillie | Teacher | Salem Normal School (Summer Courses)† | Mar. 1906 |
| Eleanor B. Rock | " | Kindergarten Training School† | April 1914 |
| Marguerite M. Mahoney | " | Lowell Normal School | Nov. 1918 |

†Attended Wellington Training School.

TABULAR VIEW—Continued

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|--|---------------------------------|---|-----------------------------|
| CONTINUATION SCHOOLS | | | |
| James Dugan | Director | Amherst, A. B. | Jan. 1910 |
| Maude A. Deehan | Vocational Guidance Clerk | Portland, Me., Normal School. (Special Courses) St. Mary's High School | Dec. 1893 Dec. 1920 |
| Mary Cassidy | Principal | Hyannis Normal School (Special courses at Harvard Univer- sity & Boston University) | Sept. 1920 |
| Boy's School E. Joseph Goulart | | | |
| George F. Barry | Printing- Academic | Bridgewater Normal School | Sept. 1920 |
| Thomas F. Woods | Printing- Shop | High School Teachers' Training Course | Sept. 1920 |
| John J. Sheehan | Woodwork- Academic | Bridgewater Normal School, Boston College | Sept. 1920 |
| Arthur L. MacRea | Woodwork- Shop | Attended Newton High School (Special Courses) | Sept. 1920 |
| Girls' School Mary A. Boland | Principal | Salem Normal School. (Univer- sity Extension and Private Courses)† | Jan. 1898 |
| Elizabeth F. Butler | Cooking- Academic | Lowell Normal School† | Sept. 1916 |
| Mildred M. Ready | Cooking- Shop | Attended Simmons College. (Special Courses) | Sept. 1920 |
| Stella May Davis | Sewing Academic | Plymouth, N. H., Normal School | May 1917 |
| Mrs. Ellen P. Tracy | Sewing Shop | Roxbury High School. (Special Courses in Household Arts) | Sept. 1920 |
| KINDERGARTENS | | | |
| Agassiz Florence Rice | Kindergartner | Kindergarten Training School. (Radcliffe College, 2 years) | Sept. 1899 |
| Mabel O. Phelps | Asst. " " | Kindergarten Training School | Dec. 1920 |
| Boardman Annie L. Crane* | Kindergartner | Kindergarten Training School | Dec. 1904 |
| Jane S. Feeny | Asst. " " | Kindergarten Training School | Feb. 1916 |
| Burleigh Street Helen N. Hicks | Kindergartner | Kindergarten Training School† | Sept. 1910 |
| Ruth D. Cobb | Asst. " " | Kindergarten Training School. (Simmons College, 2 years Emerson College, 2 years) | Sept. 1916 |
| Gannett Carrie E. Shepherd | Kindergartner | Kindergarten Training School. (Special Courses) | Sept. 1897 |

†Attended the Wellington Training School.

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|--|--------------------------------|--|-----------------------------|
| Gore Selma E. Berthold Lillian A. McCarthy | Kindergartner Asst. “ | Kindergarten Training School Kindergarten Training School† | Sept. 1889 Sept. 1913 |
| Haggerty Helen F. Doherty Frances E. Fitzgerald | Kindergartner Asst. “ | Kindergarten Training School. (Special Courses)° Kindergarten Training School | Sept. 1911 Nov. 1915 |
| Houghton Marion L. Akerman Isabel Olney | Kindergartner Asst. “ | Kindergarten Training School Kindergarten Training School° | April 1900 April 1919 |
| Lowell Melinda Gates | Kindergartner | Kindergarten Training School (Berlitz School) | Sept. 1889 |
| Merrill Caroline A. Leighton Dora E. Clextan | Kindergartner Asst. “ | Kindergarten Training School. (Special Courses) Kindergarten Training School. (Special Courses) | Sept. 1896 Apr. 1920 |
| Parker Anna D. Francis | Kindergartner | Kindergarten Training School° | Jan. 1906 |
| Peabody Irene L. Phelps Mary S. Dempsey | Kindergartner Asst. “ | Kindergarten Training School° Kindergarten Training School° | April 1904 Sept. 1912 |
| Shaw Harriette E. Ryan Substitute | Kindergartner Asst. “ | Kindergarten Training School. (Post-Graduate Courses)° | Sept. 1889 |
| Shepard Mary F. Leland | Kindergartner | Kindergarten Training School° (Special Courses) | Mar. 1896 |
| Sleeper Mabel S. Adams Mary C. Tracey | Kindergartner Asst. “ | Kindergarten Training School Kindergarten Training School | Oct. 1893 Oct. 1919 |
| Thorndike Gertrude L. Bunton Julia Sullivan | Kindergartner Asst. “ | Kindergarten Training School° Kindergarten Training School | Oct 1910 April 1919 |
| Webster Jennie S. Clough Clara A. Hall | Kindergartner Kindergartner | Kindergarten Training School Kindergarten Training School (Special Courses)° | Sept. 1897 May 1892 |

°Attended the Wellington Training School

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|--|--------------------------------|--|-----------------------------|
| Wellington Gertrude M. Gove Edith A. McCarthy | Kindergartner Asst. “ | Kindergarten Training School Kindergarten Training School | May 1893 Sept. 1920 |
| Willard Mary A. McMahon Beatrice Kelley | Kindergartner Asst. “ | Kindergarten Training School ° Kindergarten Training School ° | Oct. 1911 Sept. 1913 |
| SPECIAL SUBJECTS Practical Art Alfred F. Burke | Director | Massachusetts Normal Art School | Sept. 1920 |
| Lucia N. Jennison | Assistant | Worcester Normal School. Boston Normal Art School | Dec. 1893 |
| Music John B. Whoriskey | Director | (Special Courses in vocal and instrumental music) | Feb. 1911 |
| Mary F. Ahern | Assistant | (Attended N. E. Conservatory of Music. Boston University Supervisor's Certificate) | May 1919 |
| Josephine C. Wyman | Assistant | Farmington, Me., Normal School | Apr. 1903 |
| Physical Education Fanny E. Bickley | Director | Sargent School of Physical Edu- cation | Sept. 1918 |
| Mildred Grant | Assistant | Sargent School of Physical Edu- cation | Sept. 1919 |
| Manual Training and Pre-Vocational Classes Frederick Greene Edward F. McAuliffe | Putnam Ellis | Mass. Normal Art School Rindge Technical School. (Sloyd Training School, 1 year) | Dec. 1919 Nov. 1919 |
| William M. Murphy John E. Howard | Wellington Webster | Mass. Normal Art School Sloyd Training School. Law School | May 1918 Sept. 1911 |
| Gertrude B. Duffy | Webster | Salem Normal School. (Special Courses at Harvard and Simmons Colleges. Sloyd Training School) ° | April 1902 |
| Lydia B. McKinnon | Webster | Salem Normal School. (Radcliffe College, 1 year) ° | Dec. 1916 |
| Honora F. O'Brien | Thorndike | Gloucester High School. (At- tended Boston Normal School) | Sept. 1909 |
| Mary E. Quirk | Roberts | Salem Normal School | Feb. 1910 |

°Attended the Wellington Training School

TABULAR VIEW—Continued.

| Schools and Teachers | Grade | Where Graduated Highest Institution (Also Other Courses) | Date of Appoint- ment |
|---|---------|--|-----------------------------|
| Cooking Helen R. Cook | Teacher | Attended Simmons College. (Special Courses) | Sept. 1919 |
| Mabel A. Harrington | Teacher | North Adams Normal School. (Special Courses at Simmons and Columbia Colleges) | April 1920 |
| Classes for Stammerers Sallie A. Brooks | Teacher | Kindergarten Training School. (Special Courses at Emer- son College of Oratory, and at Boston University) ‡ | Sept. 1913 |
| Special Class at Agassiz Museum Margaret Tucker | Teacher | Vassar College. (Special Courses) | Sept. 1919 |
| Ruth D. Crawford | Teacher | Lowell Normal School | Dec. 1918 |
| Vision Class Julia M. Horgan | " | Salem Normal School ‡ | Sept. 1908 |

‡Attended the Wellington Training School.

TABULAR VIEW—Concluded.

| | |
|--|---|
| Teachers of Sewing..... | Agnes Gordon, Director Anna C. Coleman Maude E. Delorme Mary J. Smith Minnie F. Wilson Nettie L. White |
| Superintendent of Schools..... | Michael E. Fitzgerald |
| Assistant Superintendent | James Dugan |
| Director of Continuation Schools | |
| Supervisor of Primary Schools..... | Katharine L. McElroy |
| Supervisor of Kindergartens..... | Alice V. McIntire |
| Business Agent..... | Constantine J. Church |
| Secretary to School Committee..... | Marie Walsh |
| Secretary to Superintendent..... | Elizabeth S. O'Connor |
| Clerks..... | Gerald T. Liston Helen C. Butler Agnes Delehanty Ellen B. Wait |
| Porter | John H. Lemon |
| Attendance Officers..... | Lucian S. Cabot William J. Cogan Dennis F. Hurley William H. Porter James H. Shuckrowe John J. Sullivan Edward J. Walsh |

TEACHERS AND OFFICIALS PENSIONED BY THE CITY

| | |
|--|-----------------------|
| Agent..... | Sanford B. Hubbard |
| Master Emeritus, Thorndike School..... | Ruel H. Fletcher |
| Teachers, High School..... | Emma A. Scudder |
| Elementary Schools..... | Ella R. Avery |
| “ “ | Mary P. Blair |
| “ “ | Sally N. Chamberlain |
| “ “ | Ellen A. Cheney |
| “ “ | Josephine M. Doherty |
| “ “ | Susan M. Doe |
| “ “ | Mary A. Driscoll |
| “ “ | Georgianna P. Dutcher |
| “ “ | M. Elizabeth Evans |
| “ “ | Charlotte A. Ewell |
| “ “ | Sarah J. Gunnison |
| “ “ | Nellie A. Hutchins |
| “ “ | Annie B. Josselyn |
| “ “ | Evelyn J. Locke |
| “ “ | Eliza S. Paddack |
| “ “ | Frances E. Pendexter |
| “ “ | Emily R. Pitkin |
| “ “ | Julia A. Robinson |
| “ “ | Abby S. Taylor |
| “ “ | Lydia A. Whiteher |

TEACHERS AND OFFICIALS PENSIONED FROM THE STATE RE-
TIREMENT FUND

| | |
|--------------------------|-----------------------|
| Elementary Schools | Frances Allen |
| “ “ | Sara A. Bailey |
| “ “ | Herbert H. Bates |
| “ “ | Fannie P. Browning |
| “ “ | Charlotte M. Chase |
| “ “ | Emma A. Faulkner |
| “ “ | Genevieve S. Flint |
| “ “ | Ella F. Gulliver |
| “ “ | Mary E. G. Harrington |
| “ “ | Frances E. Higgins |
| “ “ | Ellen J. Hunt |
| “ “ | Flora C. Ingraham |
| “ “ | Ellen J. Plympton |
| “ “ | Eusebia A. Minard |
| “ “ | Louise C. Patterson |
| “ “ | Hattie A. Thayer |
| “ “ | Elizabeth A. Tower |
| “ “ | Mary E. Towle |
| “ “ | Mary A. Townsend |
| “ “ | Eliza D. Watson |
| “ “ | Susan C. Wyeth |
| “ “ | Grace R. Woodward |
| “ “ | Hortense O. Young |

SALARY SCHEDULE

Cambridge High and Latin and Rindge Technical Schools

| | Minimum | Increase Per Year | No. of Years | Maximum |
|-------------------------------|---------|----------------------|-----------------|---------|
| Head Master..... | \$3,580 | \$180 | 3 | \$4,120 |
| Masters..... | 2,500 | 120 | 6 | 3,220 |
| Masters, Heads of Departments | 3,136 | 120 | 4 | 3,616 |
| Heads of Departments, Men .. | 1,932 | 120 | 7 | 2,772 |
| Heads of Departments, Women | 1,644 | 96 | 6 | 2,220 |
| Teachers, Men..... | 1,536 | 120 | 7 | 2,376 |
| Teachers, Women..... | 1,248 | 96 | 6 | 1,824 |
| Teacher—Coach..... | 2,336 | 120 | 7 | 3,176 |

Elementary Schools

| | | | | |
|----------------------------------|---------|-------|---|---------|
| Masters..... | \$2,500 | \$120 | 6 | \$3,220 |
| Masters' Assistants..... | 1,548 | 84 | 2 | 1,716 |
| Principals, 9 rooms or more ... | 1,640 | 120 | 3 | 2,000 |
| Principals, 8 rooms or less..... | 1,588 | 84 | 2 | 1,756 |
| Teachers of 8th grade..... | 1,092 | 84 | 6 | 1,596 |
| Teachers..... | 1,008 | 84 | 6 | 1,512 |

Kindergartens

| | | | | |
|-------------------------|-------|------|---|---------|
| Teachers..... | \$984 | \$84 | 6 | \$1,488 |
| Assistant Teachers..... | 948 | 84 | 5 | 1,368 |

Music and Art

| | | | | |
|-----------------|---------|-------|---|---------|
| Director..... | \$2,500 | \$120 | 6 | \$3,220 |
| Assistants..... | 1,092 | 84 | 6 | 1,596 |

Sewing

| | | | | |
|---------------|---------|------|---|---------|
| Director..... | \$1,056 | \$84 | 6 | \$1,560 |
| Teachers..... | 996 | 84 | 6 | 1,500 |

Physical Education

| | | | | |
|-----------------|---------|-------|---|---------|
| Director..... | \$1,860 | \$120 | 5 | \$2,460 |
| Assistants..... | 1,248 | 96 | 6 | 1,824 |

Cooking

| | | | | |
|---------------|---------|------|---|---------|
| Teachers..... | \$1,008 | \$84 | 6 | \$1,512 |
|---------------|---------|------|---|---------|

Prevocational

| | | | | |
|-------------------------------|---------|------|---|---------|
| Teachers, Academic..... | \$1,204 | \$84 | 6 | \$1,708 |
| Teachers, Women, Industrial.. | 1,204 | 84 | 6 | 1,708 |
| “ Men, “ | 1,392 | 120 | 4 | 1,872 |

Special Classes

| | | | | |
|---------------------------|---------|------|---|---------|
| Principal (Open Air)..... | \$1,732 | \$84 | 2 | \$1,900 |
| Teachers..... | 1,152 | 84 | 6 | 1,656 |

Attendance Officers

| | | | | |
|-----------|---------|-------|---|---------|
| Each..... | \$1,300 | \$100 | 5 | \$1,800 |
|-----------|---------|-------|---|---------|

(Note.—Teachers entering the service of the Cambridge Public Schools for the first time, with outside experience, shall be given credit on the salary schedule by the following rule:

Three years of experience outside of the city will be considered as equivalent to one year of experience in the city, but in no case shall a teacher be credited with more than 5 years of experience.)

EVENING SCHOOLS

EVENING HIGH SCHOOL

| | Per Evening |
|--|-------------|
| <i>Master:</i> Minimum..... | \$6.00 |
| Maximum..... | 7.00 |
| <i>Teachers:</i> Minimum..... | 3.00 |
| To teachers during the first year of service in Evening Schools. | |
| Maximum..... | 4.00 |
| To teachers of five or more years' experience in day schools ; to teachers of less than five years' experience in day schools after one year of service in Evening Schools, and to teachers without day school experience after two years of service in Evening Schools. | |
| <i>Secretary</i> | 3.00 |
| <i>Clerk</i> | 2.00 |

RINDGE EVENING INDUSTRIAL SCHOOL

| | |
|-------------------------------|------|
| <i>Master:</i> Minimum..... | 6.00 |
| Maximum..... | 7.00 |
| <i>Teachers:</i> Minimum..... | 3.50 |
| Maximum..... | 4.50 |
| <i>Secretary</i> | 3.00 |

ELEMENTARY SCHOOLS

| | |
|---|------|
| <i>Principals</i> | 5.00 |
| <i>Teachers:</i> Minimum..... | 2.50 |
| To teachers during the first year of service in Evening Schools. | |
| Maximum..... | 3.00 |
| To teachers of five or more years' experience in day schools; to teachers of less than five years' experience in day schools after one year of service in Evening Schools, and to teachers without day school experience after two years of service in Evening Schools. | |
| <i>Clerks</i> | 2.00 |

EVENING TRADE SCHOOL

| | |
|--------------------------------|------|
| <i>Principal:</i> Minimum..... | 5.00 |
| Maximum..... | 6.00 |
| <i>Teachers:</i> Minimum..... | 3.00 |
| Maximum..... | 4.00 |
| <i>Secretary</i> | 3.00 |

OFFICERS OF THE BOARD

January 1, 1920

SUPERINTENDENT OF SCHOOLS

MICHAEL E. FITZGERALD.....30 Bellevue Avenue

ASSISTANT SUPERINTENDENT

CHARLES M. HERLIHY.....11 Everett Street

DIRECTOR OF CONTINUATION SCHOOLS

JAMES DUGAN.....32 Blake Street

SUPERVISOR OF PRIMARY SCHOOLS

KATHARINE L. McELROY.....31 Gray Street

SUPERVISOR OF KINDERGARTENS

ALICE V. McINTIRE.....3 Linnaean Street

AGENT OF THE SCHOOL COMMITTEE

CONSTANTINE J. CHURCH.....87 Fayerweather Street

SECRETARY OF SCHOOL COMMITTEE

MARIE WALSH.....21 Fairfield Street

OFFICES AT CITY HALL

Offices open from 8 o'clock A. M. to 4 o'clock P. M. every day excepting Saturday. Saturday from 8 o'clock A. M. to 12 o'clock M.

SCHOOL COMMITTEE

From January 1, 1920, to January 1, 1921

HON. EDWARD W. QUINN, MayorChairman
MR. CHARLES F. J. McCUE.....Vice-Chairman
MR. JAMES S. CASSEDY, 336 Harvard Street
MISS NORA J. DRISCOLL, 1200 Massachusetts Avenue
JOHN F. GADSBY, ESQ., 14 Chilton Street
MR. CHARLES F. J. McCUE, 10 Prentiss Street
DR. ARTHUR L. MILES, 12 Magazine Street
MISS MARY H. WINSLOW, 152 Magazine Street

STANDING COMMITTEES

ON INSTRUCTION AND CURRICULUM

Mr. Gadsby, Miss Driscoll, Dr. Miles

ON TEACHERS

Miss Winslow, Mr. McCue, Mr. Gadsby

ON FINANCE AND SUPPLIES

Dr. Miles, Mr. Cassedy, Mr. McCue

ON BUILDINGS AND GROUNDS

Mr. McCue, Mr. Cassedy, Mr. Gadsby

ON EXTENDED USE OF SCHOOL BUILDINGS

His Honor, Mayor Quinn, Miss Winslow, Mr. McCue

ON CONTINUATION SCHOOLS

Mr. Cassedy, Miss Driscoll, Miss Winslow

ON ATHLETICS

Miss Driscoll, Mr. McCue, Dr. Miles

SCHOOL CALENDAR

1920-1921

The First Term: From September 8 to December 23.

The Second Term: From January 3 to February 25.

The Third Term: From March 7 to April 29.

The Fourth Term: From May 9 to June 24.

1921-1922

The First Term: From September 14 to December 23.

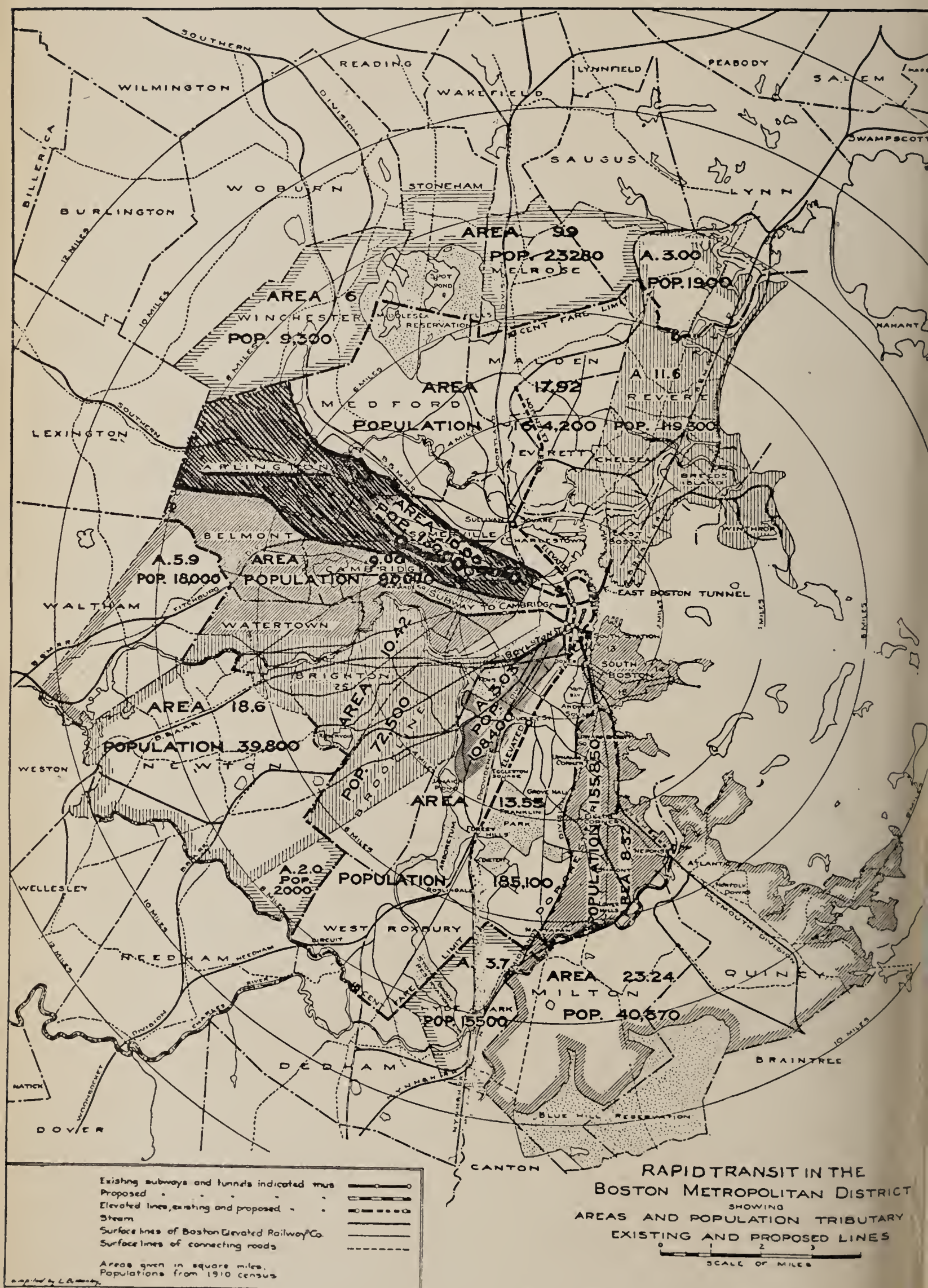
SCHOOL HOLIDAYS

Columbus Day ; Thanksgiving Day, the day preceding and the day following ; Washington's Birthday ; Good Friday ; Patriots' Day ; Memorial Day and the Seventeenth of June. If one of these holidays falls on Thursday or Sunday the schools are closed on the day following.

EVENING SCHOOLS

There are two terms of the evening schools. The first term begins on the second Monday of October and continues until the end of the week before Christmas. The second term begins on the first Monday, Wednesday or Friday evening after the opening of the day schools in January and continues at least twenty-five evenings. Vacations and holidays are the same as in the day schools.

PLANNING BOARD



FIFTH ANNUAL REPORT OF THE PLANNING BOARD for the Year 1920-21

MEMBERSHIP

Ex-officio Member

HIS HONOR THE MAYOR

Citizen Members

| | Term expires |
|--------------------------------------|--------------|
| WILLIAM F. HARRIS, Chairman..... | May, 1923 |
| ROBERT E. MARTIN, Vice-Chairman..... | May, 1924 |
| WALTER F. EARLE | May, 1922 |
| BENJAMIN ROSEMAN | May, 1921 |

April 1, 1921.

During the past year the Planning Board has confined its attention to two city planning matters of vital importance, zoning and transit. The publication last fall of the report for the preceding year aroused considerable discussion on all three subjects specially studied. The addition to our recreation facilities of golf at Fresh Pond has won many supporters. The study of traffic at Harvard Square, both on the surface and underground was a definite contribution to a most vexing problem. Since then one recommendation of the Board, the painting of white lines to indicate pedestrian crossings, has been put into effect. As a result of the Board's report on a comprehensive plan for zoning Cambridge according to use and bulk of buildings, early this year a joint meeting was held by the City Planning Committee of the City Council and the Planning Board, at which it was decided to request an appropriation to cover the cost of holding hearings throughout the city and preparing final maps and draft of an ordinance to put zoning into effect. The Planning Board recommends that an appropriation of \$4,000 be made for this purpose.

In accordance with is intention expressed in the last annual

report the Board has followed up its study of traffic conditions in Harvard Square with a special study of the transit situation. It finds that any extensive improvements underground at Harvard Square, desirable as they now are, will very likely prove of little permanent benefit if a comprehensive scheme for metropolitan transit is worked out, since under any such scheme the existing steam railroad right-of-way will probably be incorporated in the system and will tap street-car lines farther out than the present subway lines, thereby relieving the congestion at the present terminals.

An unusual opportunity to do this exists on the Fitchburg Division of the Boston and Maine Railroad, as outlined in the report of the Board's consultant, appended hereto. This is obviously too big a problem for any one portion of the metropolitan district to handle alone, yet no permanent agency is now charged with the duty of working out a metropolitan transit plan and securing its adoption. The Planning Board considers this to be of vital importance to the welfare of Cambridge. It therefore urges the city to seek legislation creating a permanent metropolitan transit authority.

Meanwhile, if its funds permit, the Planning Board proposes to make further studies into the transit problem, in order to indicate to the citizens of Cambridge what further improvements they have a right to expect, particularly in the matter of equalization of fares within the city as compared with the metropolitan district as a whole.

Respectfully submitted,

WILLIAM FENWICK HARRIS,
Chairman.

ROBERT E. MARTIN,
Vice-Chairman.

WALTER F. EARLE.
BENJAMIN ROSEMAN.

PORTER
SQUARE

SOMERVILLE AVENUE

MASSACHUSETTS
AVENUE

SOMERVILLE
CAMBRIDGE

CAMBRIDGE PLANNING BOARD
STUDY FOR PORTER SQ.
RAPID TRANSIT STATION
ARTHUR C. COMEY-CITY PLANNER



RAPID TRANSIT TO PORTER SQUARE

Report to the Cambridge Planning Board by

ARTHUR C. COMEY—City Planner

March, 1921.

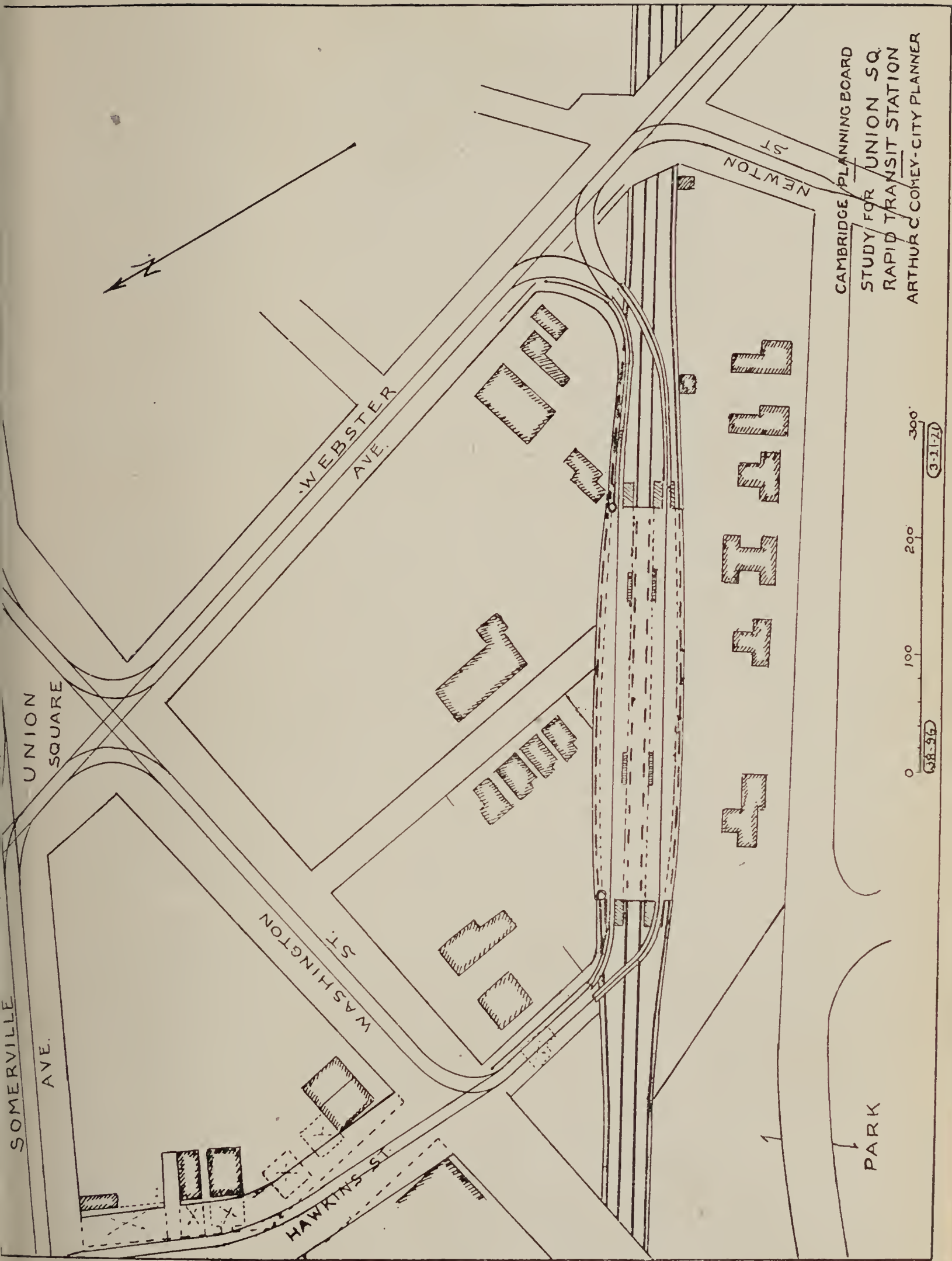
If our cities are to continue to grow they must increase either in density or in area. The normal city does both. This continued growth in a metropolitan district with a population of a million or more makes possible and is made possible by rapid transit. Many of the industries may move to the outskirts, but, particularly where the interests of the citizens are largely executive or commercial, speedy access to and from the central business area is a sine-qua-non of vigor and is the only effective means of preventing endless tenement slums.

With an efficient rapid transit system the population will continue to spread over as much land as it economically can, with due regard to the cost of improvements, the cost of the transportation itself being, within certain limits, largely equalized by the relative land values. Within such limits the time consumed becomes the controlling factor. Save ten minutes and you increase the area ripe for use over a zone practically "ten minutes wide," that is, for a width requiring ten minutes to traverse.

The Boston Metropolitan District well illustrates these points. Along rapid transit lines population becomes dense. This is true of both steam and electric lines, but the limitations of the ordinary steam railroad for heavy local travel have long been recognized. Mention may be made of three shortcomings: (1) they deposit their passengers at a single point, usually on one side of the area to be reached; (2) they are not linked up by transfer to and from other rapid transit lines and surface distribution lines; and (3) their stub terminal operation and other operating factors render difficult any great increase in short haul service.

As a result we are confronted with jammed crowding on the elevated and subway lines and their surface street-car feeders, while substantially parallel lines of rails—the steam lines—are practically idle.

A solution is fairly obvious and has been pointed out by many commissions and others studying the problem: Electrify the steam railroads, run them through tunnels with several down-town stops



CAMBRIDGE PLANNING BOARD
STUDY FOR UNION SQ.
RAPID TRANSIT STATION
ARTHUR C. COHEY - CITY PLANNER

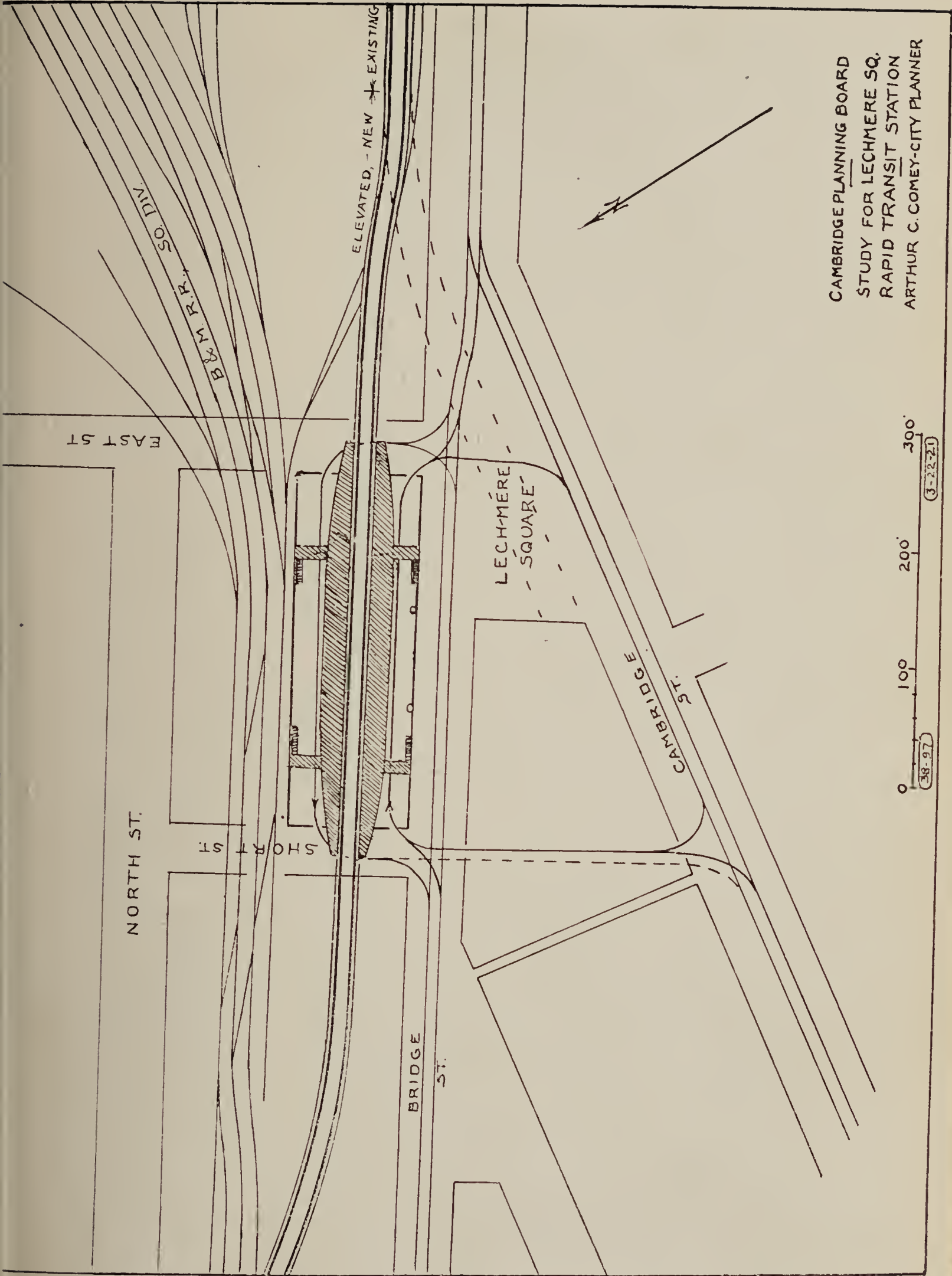


PARK

and articulate them with the present electric system by transfers both in the suburbs and in the city. Hitherto, however, three great difficulties have prevented any fruition of such a plan: (1) the huge cost of complete electrification and tunneling; (2) the relative loss in revenue due to increased service through transfers with no increase in fare, such increase being deemed out of the question; and (3) the fact that the community probably has not as yet sufficient population to make it pay, even with the opportunity to increase fares on the longer hauls. The dollar is at present the only practical common divisor of human actions and needs, and furnishes the only reliable check on human endeavor; for example, if not enough will pay enough to support at least the operating charges of a transit line within a reasonable time after it is opened, it is a fair sign that the line is an unsound expenditure of human effort.

Convinced of these difficulties authorities have lately been turning their attention to what amounts to piecemeal application of the same principle, namely, extending the electric rapid transit lines along certain steam railroad rights-of-way and replacing the steam local service there with electric. Plans are well developed for such an extension in Dorchester, where the need is acute, and have been discussed for West Roxbury and elsewhere. However, though the transit system itself may be constructed piecemeal, the comprehensive plan for it should not, but should be definitely laid out years in advance of much of the actual development, so that each portion as built may fit into the rest with the resultant enhancement of service by the whole. This is city planning applied to transit.

To achieve it some permanent body must be charged with the preparation of such a plan and its custodianship thereafter. Were the area a single city the solution would be simple: it would properly devolve upon such a body as the Boston Transit Department acting in conjunction with the Boston Planning Board. But neither of these two agencies can adequately consider the needs of the other half of the district, the cities and towns grouped irregularly around Boston, no less than five of which have some part but two miles from the State House. Either an independent metropolitan transit commission or a transit division of the present Metropolitan District Commission would appear to be the logical agency. This will require legislation. To get this legis-



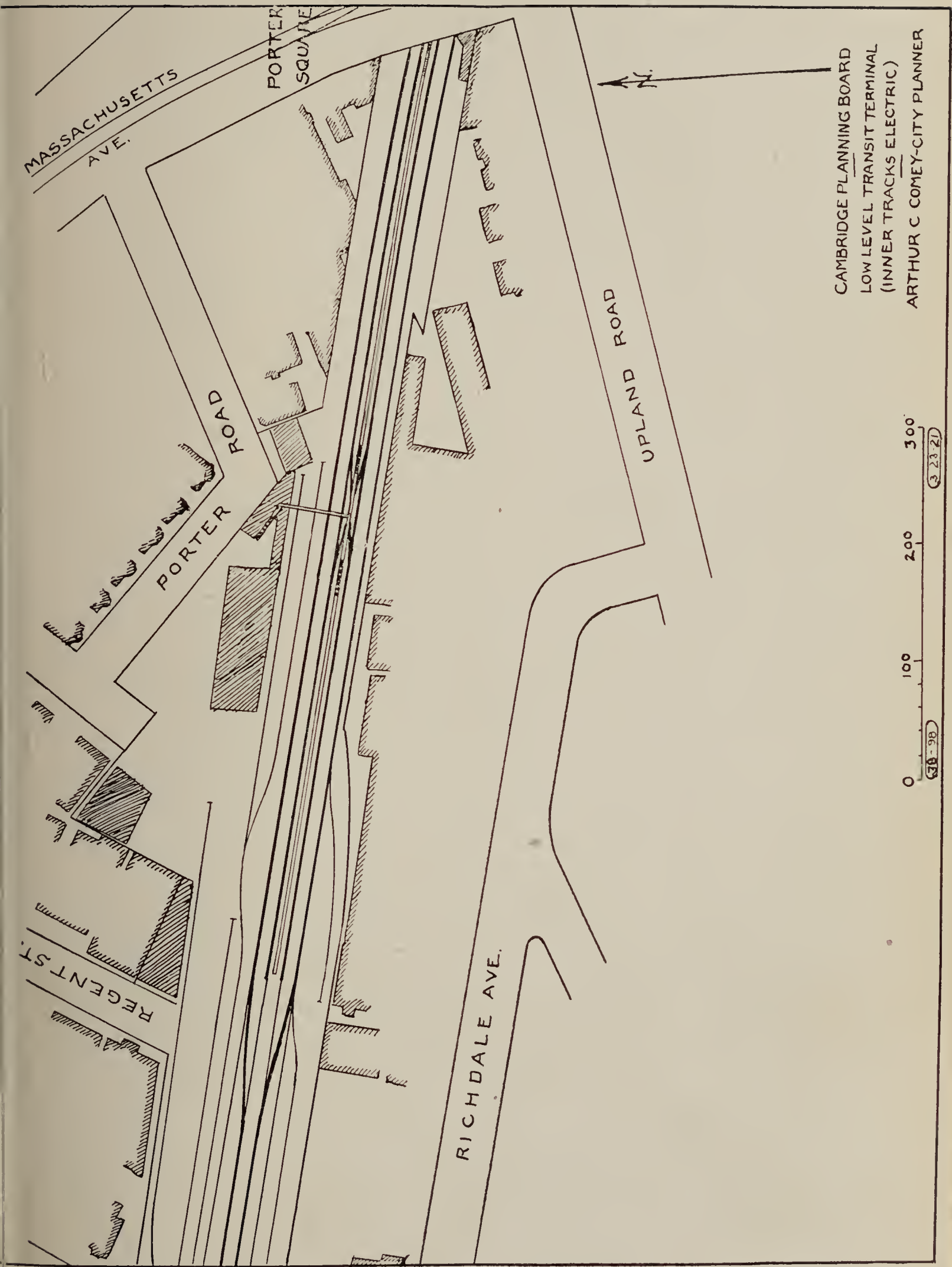
CAMBRIDGE PLANNING BOARD
STUDY FOR LECHMERE SQ.
RAPID TRANSIT STATION
ARTHUR C. COMEY-CITY PLANNER

0 100 200 300'
(38-97) (3-22-21)

lation will require concerted effort, particularly on the part of the thirty-eight cities and towns in the metropolitan district outside of Boston, in order to convince the General Court that "everlasting watchfulness," looking ahead, planning ahead is necessary if the district is to continue to grow as a healthy, vigorous metropolis. Boston itself does not feel the need of such a commission so keenly. It is able to make the "concerted effort" as a single city for transit needs within its corporate limits, with the result that most of the plans now receiving serious consideration relate to its territory.

It is primarily with a view to showing that comprehensive planning for transit for the rest of the district is equally vital and its gradual construction equally practical that the present study has been undertaken. Incidentally it is hoped that it will demonstrate the danger of proceeding without such guidance, since in popular discussion a number of other schemes with the same purpose in view, more or less meritorious in themselves but not fitting into a general scheme, have been brought forward and enlisted a certain degree of unenlightened or selfish support. As a matter of fact it should be clearly understood at the outset that the plan proposed herein is itself, though to a less degree, open to similar criticism. It is not intended to be in any sense final, as the opportunity for exhaustive study was not presented, but is offered simply as a visualization of a segment of the problem and a feasible method for its solution. Only such a body as the proposed metropolitan transit commission itself can properly work out the final scheme for action.

Briefly the underlying facts are as follows: The Cambridge Subway opened in 1912 with fairly heavy traffic, which has since increased materially. The transit line itself, of unexcelled design, is still operating well below its actual carrying capacity, but congestion has developed at certain points of transfer, notably at the outbound northern loading platform at Harvard Square for surface cars to Arlington, North Cambridge and Huron Avenue, as was pointed out in the Planning Board's Report on Harvard Square Traffic Conditions in March, 1920. As soon as building is renewed the area reached by these lines seems certain to have a boom, with corresponding increase in travel. Meanwhile Somerville, with a population now but slightly less than that of Cambridge, has no real rapid transit at all. Surface cars from its

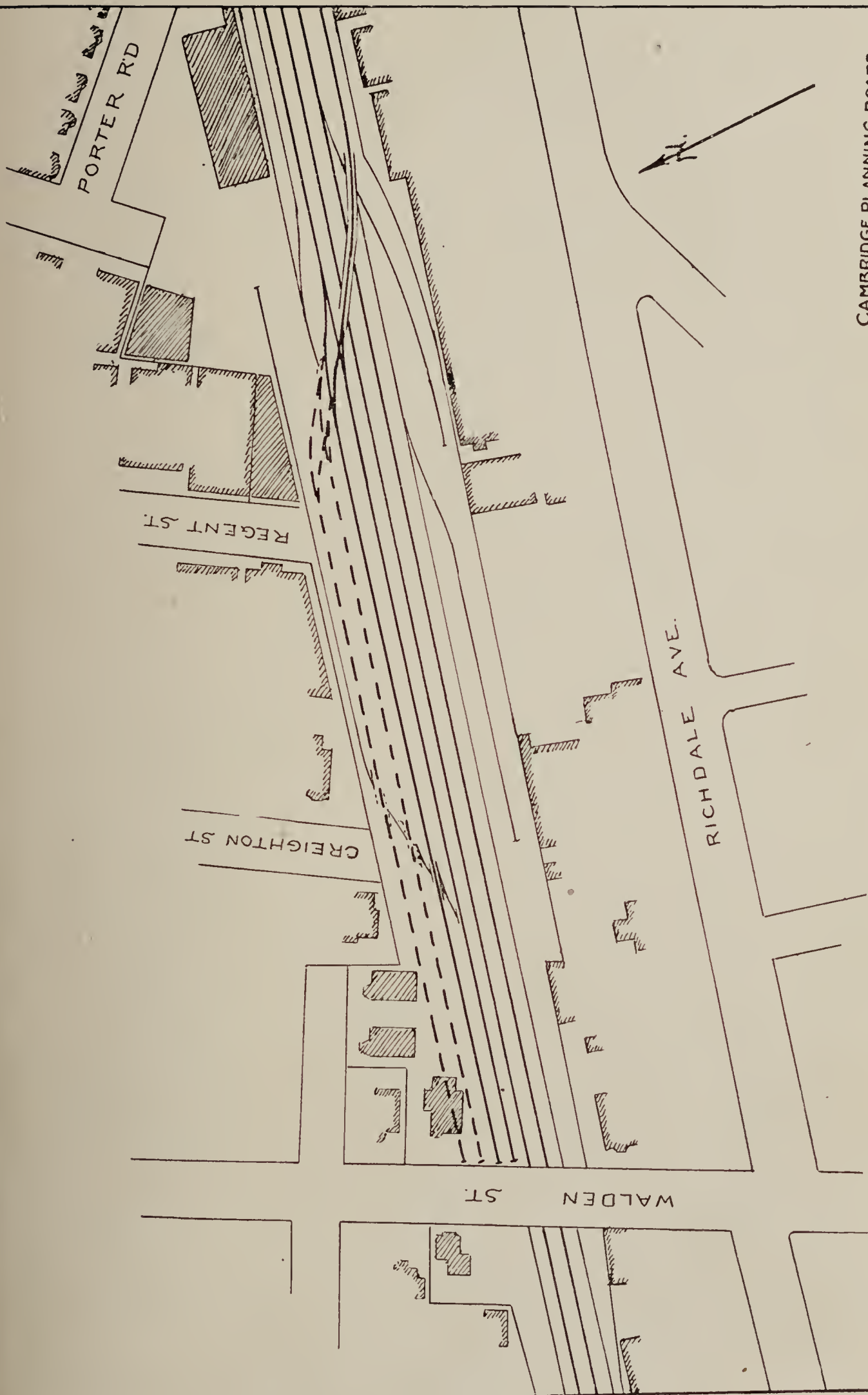


northern part meet the congested elevated line at Sullivan Square. A few passengers from its southern district change into the Cambridge Subway; while the entire central section is served by street cars operating on the surface, except for a single mile of elevated and subway from Lechmere Square to Scollay Square.

To relieve the Harvard Square congestion various schemes have been proposed (see previous report). One calls for a subway to Porter Square, a \$2,000,000 proposition at least. Others suggest changes at Harvard Square only. The re-introduction of lines on the surface carrying heavy traffic would be a serious step backward, whether confined to a loop in a prepayment area in the center of the square or not. Any change underground requires an expenditure disproportionately large, considering the actual service, though it may for the immediate future be the only feasible thing to do. A subway loop, with or without a grade crossing, or a stub terminal for part of the cars, as suggested in the previous report, would solve the congestion for the time being. Even the widening and lengthening of the present loading platform would permit a perceptible increase in traffic, at a cost however of several hundred thousand dollars.

Looking ahead to the time when some radical addition to transit facilities will be unavoidable, none of these temporary measures will be likely to be of material use in a larger scheme. It therefore becomes a matter of moment to decide just how far to go with immediate expenditures of temporary value as compared with larger expenditures for more permanent improvement. Moreover since a dollar will go several times farther in electrifying two tracks of an existing steam railroad than in providing a subway line, the relative service, if the railroad line is correctly located, will be correspondingly larger.

Turning now to the actual situation, we find an unusual opportunity in the Fitchburg Division of the B. & M. R. R. (see large plan). Here are already four tracks, except for a short distance of a third of a mile, at Union Square, and yet for a variety of reasons steam traffic on this line has never developed so as to really utilize more than two; and, if the local passenger traffic is provided for, it seems extremely unlikely that it ever will. This means that little or no additional trackage, width of railroad grade, or private property need be acquired, except for the short two-track stretch already mentioned. Furthermore,



CAMBRIDGE PLANNING BOARD
ALTERNATIVE, ELEVATED TERMINAL
(OUTER TRACKS ELECTRIC)
ARTHUR C. COMEY-CITY PLANNER

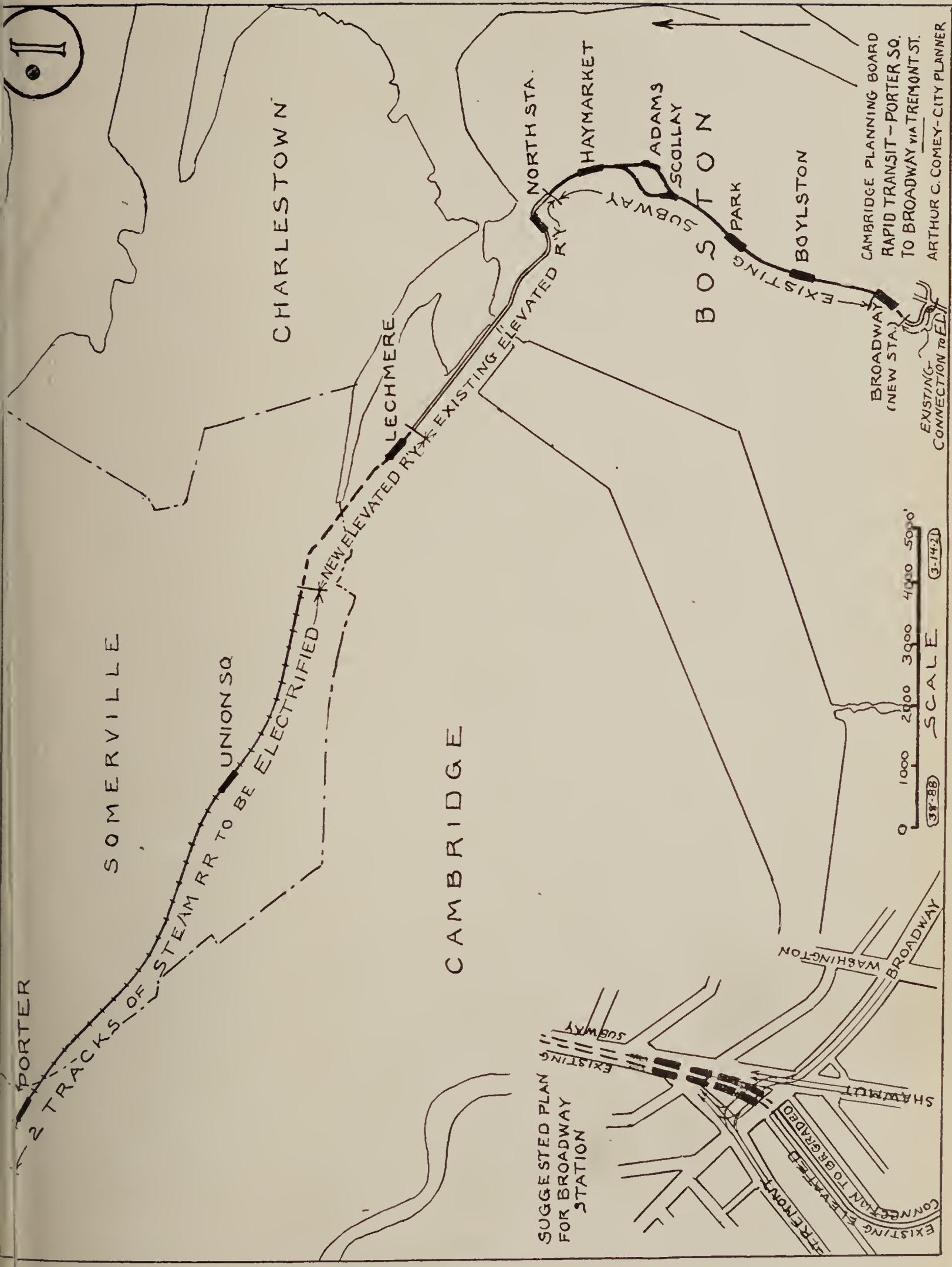
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east of Porter Square, the appropriate western terminus of the line—at least for a number of years—there is but one grade crossing (at Park Street, Somerville) and that a comparatively simple one to eliminate.

Presumably the two inner tracks should be electrified, so as not to interfere with the slight amount of freight switching along the right-of-way. Owing to difficulties in electrification in the terminal yards the suggested line leaves the Fitchburg Division where it crosses the Southern Division, something over two miles from Porter Square. Hence a short stretch of new elevated line is proposed along and partly over the Southern Division to join the present elevated Viaduct line to the North Station, thus bringing into increased use this expensive structure. Beyond this point there are number of possible routes either for immediate operation, with little expense, or for ultimate transit development on new routes (see below).

To preserve real rapid transit service, stations are suggested at three focal points only, with surface car “feeders” to each. At Porter Square all the Arlington and North Cambridge traffic will be intercepted, and a short bit of track through Beech Street will bring in the Clarendon Hill travel. The Union Square station will tap the Somerville Avenue, Spring Hill and Inman Square lines, and there will be a large amount of traffic originating within walking distance. At Lechmere Square the Highland Avenue, Somerville and Cambridge Street lines converge. Suggestive sketches, presented herewith, show the ease with which ample transfer stations can be constructed, providing for all likely car movements. The present local steam trains, but six each way per day, will discontinue the Union Square stop.

The area directly tributary to this line comprises two-thirds of Somerville with a population of about 65,000, two-fifths of Cambridge, about 45,000, and all of Arlington, 20,000, a total of about ten square miles with 130,000 people (see map). This is already sufficient to support a transit line, and is apparently certain to increase rapidly, especially if adequate service is provided. The area and population tributary to the Cambridge Subway will to be sure be somewhat reduced, but the population of this lesser area will again equal that of the present tributary area within a few years, and could be augmented at once, if desired, by rearranging certain Watertown and Brighton surface lines.



PORTER

SOMERVILLE

2 TRACKS OF STEAM RR TO BE ELECTRIFIED

UNION SQ

CHARLESTOWN

LECHMERE

CAMBRIDGE

EXISTING ELEVATED RY

NORTH STA.

HAYMARKET

ADAMS

SCOLLAY

BOSTON

PARK

BOYLSTON

CAMBRIDGE PLANNING BOARD
RAPID TRANSIT - PORTER SQ.
TO BROADWAY VIA TREMONT ST.
ARTHUR C. COMEY - CITY PLANNER

BROADWAY
(NEW STA.)

EXISTING
CONNECTION TO ELEVATED

SUGGESTED PLAN
FOR BROADWAY
STATION

EXISTING
SUBWAY

TREMONT
WASHINGTON
BROADWAY

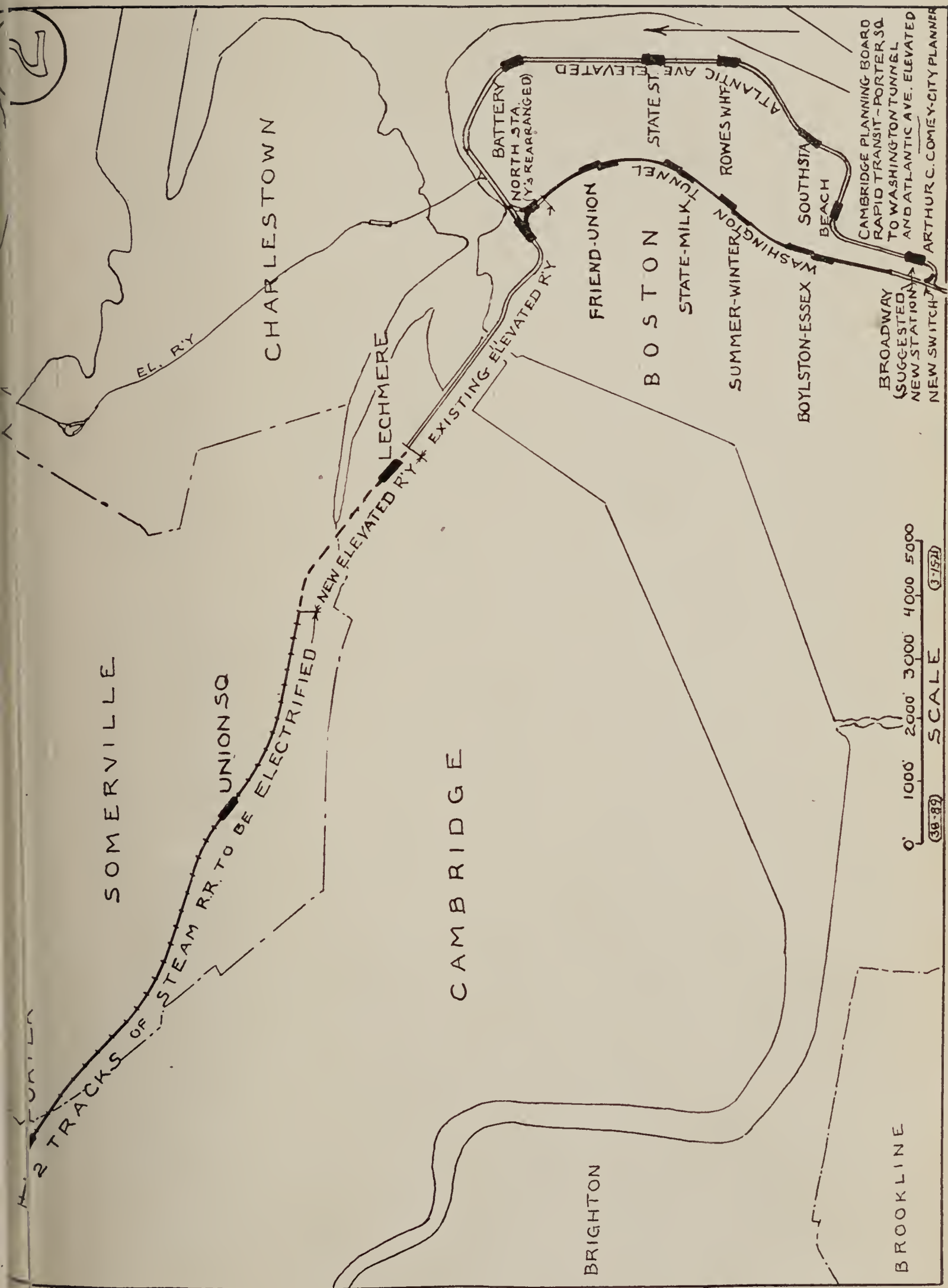
0 1000 2000 3000 4000 5000
SCALE (38-88) (3-1421)

Subsequently the proposed transit line might readily be extended by the Lexington Branch of the B. & M. R. R. and possibly also the Watertown Branch and the Fitchburg main line itself, thus fitting into almost any sound scheme for the future. In the opposite direction, within the City of Boston, it is only necessary to sketch roughly the main features of various alternative routes so as to demonstrate the feasibility of the Porter Square line as a whole.

The cheapest and probably for that reason the most immediately practicable scheme for distributing passengers will be to restore to rapid transit train service the two subway tracks from North Station via Park Street and the Tremont Street Subway to the former station at Pleasant Street, now called Broadway (Plan 1). Here a certain amount of construction will be necessary to provide a station and transfer of passengers to surface cars. Beyond this point the disused transit line, regraded on account of the recent street widening, will furnish a connection to the Washington Street Elevated, though this would probably be confined to emergency use, access to repair shops and the like. It would also provide trackage for turning back trains and a small amount of car storage. For the present at least a similar stub terminal would suffice at the other end of the line, just west of Porter Square, as indicated in the accompanying alternative studies. A third stub track, replacing the two present short ones on the elevated structure west of the North Station will facilitate turning trains there if the traffic by whichever scheme is adopted for the city portion of the route proves heavier from the North Station south.

All the proposals thus far are relatively inexpensive and involve no complicated engineering problems. Combined, they will give an unusually long trackage for the money, and at the same time will bring into greater usefulness both the elevated Viaduct and the North Station-Tremont Street Subway by replacing surface cars with trains. The latter will afford a needed relief in city travel. Moreover the use of the Tremont Street Subway involves so little alteration that it can again be released to surface cars without loss if at some future day a more extensive scheme is carried out.

A similar utilization of existing structures would be to connect the Viaduct line to the present rapid transit elevated line,



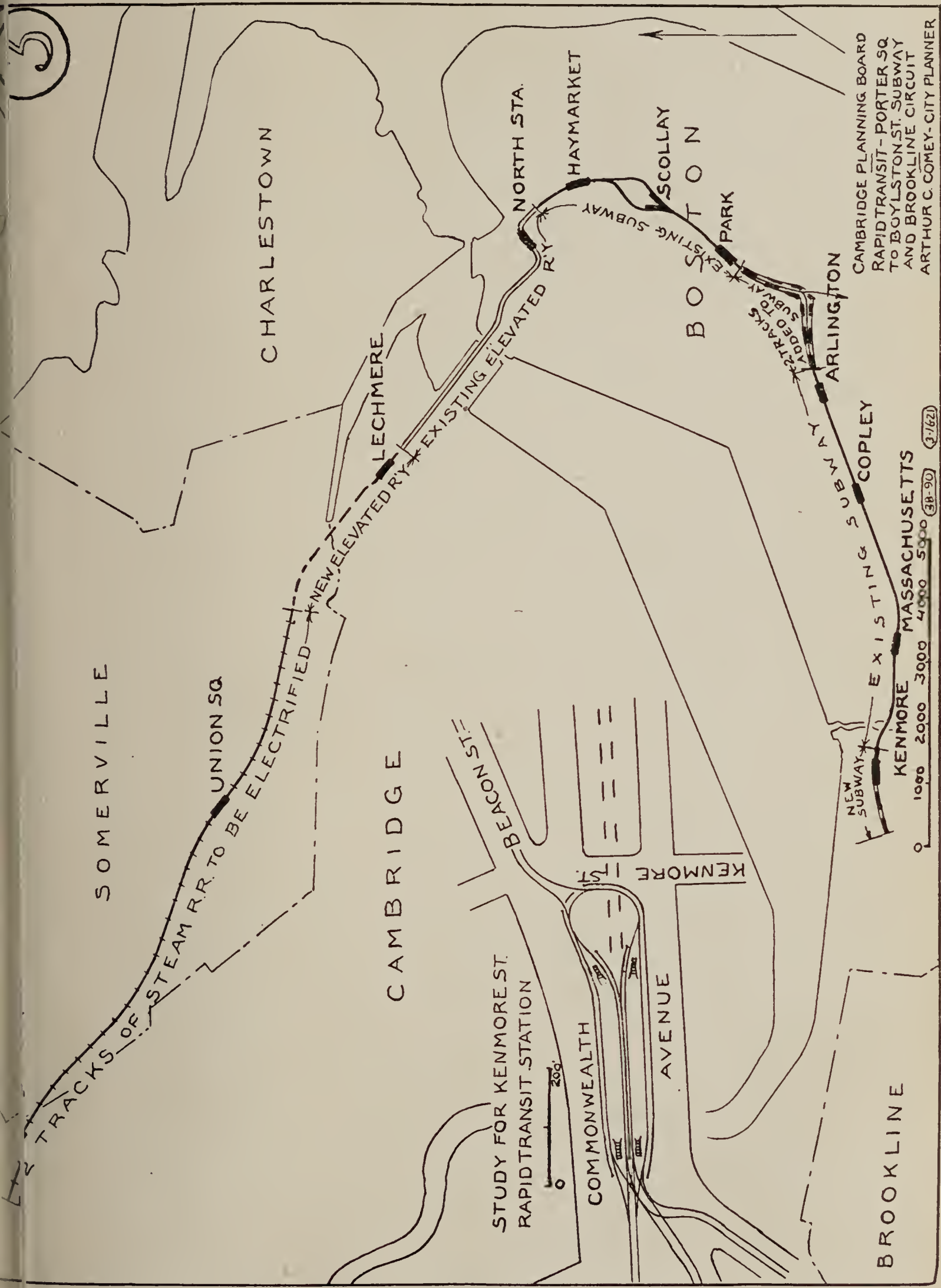
either sending all its trains via Atlantic Avenue or diverting part of the Charlestown trains by this route and sending part of the Porter Square trains through the Washington Tunnel, possibly looping back by Atlantic Avenue (Plan 2).

A short connecting subway near Boylston Street station would permit the new line to be run via Park Street to the Boylston Street Subway, thus giving this partly used line an adequate city continuation. This would involve looping back the Tremont Street cars at Park Street, but would replace them with train service on the outside tracks and thence to North Station. At Kenmore Street a new station would be needed for transfer. A similar but less permanent method of improving service on the Viaduct and in the Boylston Street Subway, now under consideration, contemplates running surface cars in trains of three or more through from Lechmere Square to Kenmore Street, and possibly beyond on the surface. Though limited by the capacity of the present stations and the necessity of crossing from track to track, this may serve as an initial step toward the larger plan.

Ultimately a short connection from the Boylston Street Subway can be made with the B. & A. R. R., thus facilitating the long bruted electrification of the Brookline Circuit. By that time however traffic would probably so increase as to require a wholly new subway through the city—from near Arlington Street Station to a connection with the Viaduct line in the neighborhood of the North Station (Plan 4). This is a better operating proposition than looping back at Post Office Square as has been proposed, and would permit the use of longer transit cars than can be operated in either the Park Street Subway or Washington Tunnel.

On the other hand, since these larger capacity cars are more needed on the congested Sullivan Square-Dudley Street route the Post Office Square subway might carry this line from North Station to Boylston Street Station and the Viaduct-Boylston Street Subway line be operated via the Washington Tunnel (Plan 5). Since the ultimate capacity of a two-track line is apt to be controlled by the congestion at important transfer points, such stations as that at Summer Street, where the Cambridge-Dorchester Tunnel is tapped, might eventually be provided with four tracks.

Another practical outlet would be by a short subway from the Viaduct to the East Boston Tunnel at Bowdoin Square, replacing the surface cars in that tunnel with trains (Plan 6). Some

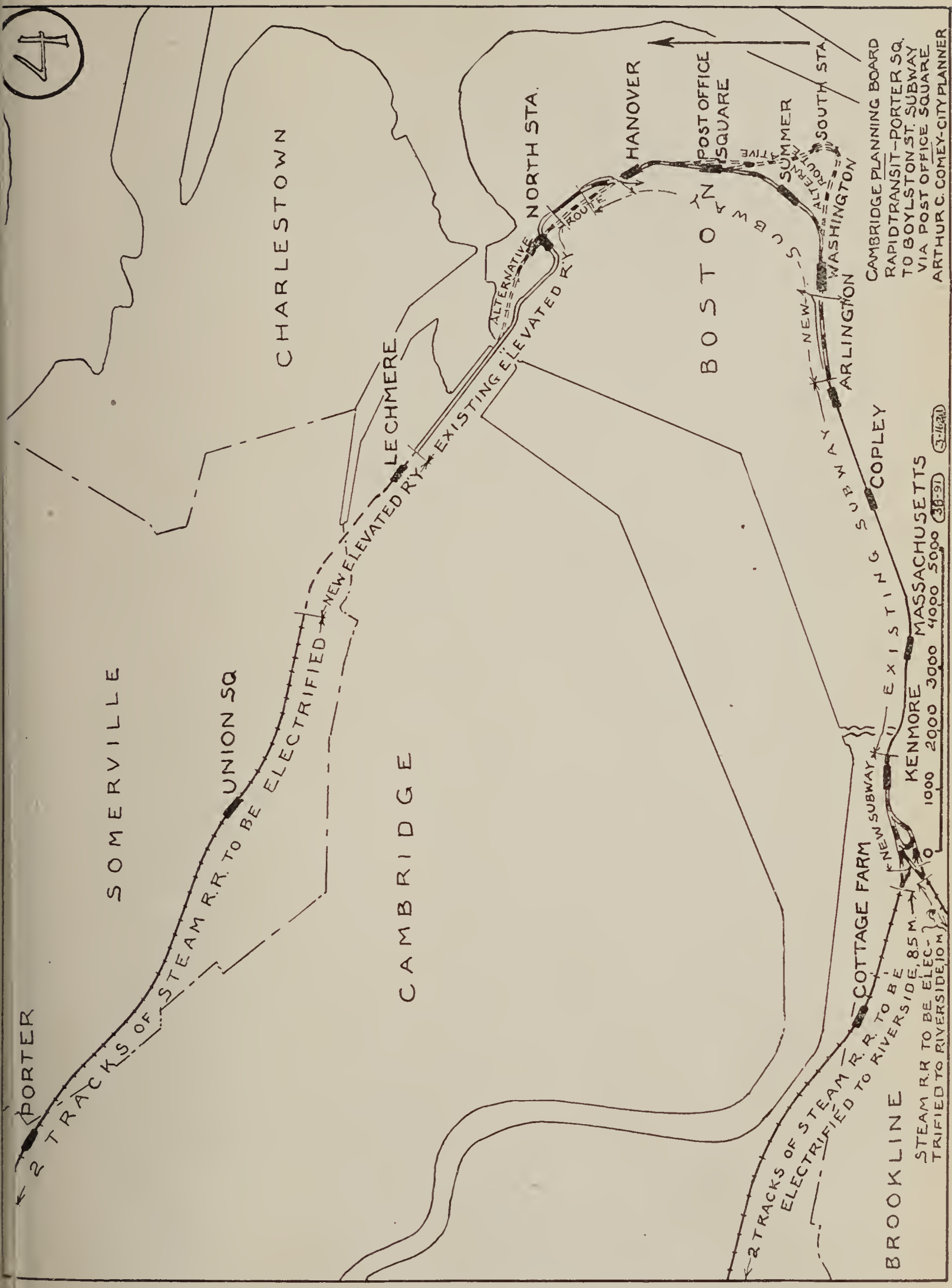


of these might ultimately be run by a proposed subway to Chelsea or by a connection to the B. R. B. & L. R. R. (See Boston Planning Board's report on a Plan for East Boston, 1916).

Finally we may again resolutely face the general steam railroad electrification problem and connect the Viaduct to the first two tracks of the great North-South Station Tunnel, which was designed years ago as a means of ultimately through-routing all the local railroad trains (Plan 7).

There may be even other feasible plans, one of which might prove to be the one actually constructed. A preliminary study such as this cannot in any final manner indicate the most effective solution of the problem nor even weight the relative merits of several possibilities. But it can and does, it is hoped, by this series demonstrate that there are ways of meeting the need, involving greater or less expense, either as a complete unit in our transit system or as a first step; and that an inexpensive though relatively temporary immediate solution can be so designed that it may later be superseded by a more thoroughgoing plan with practically no loss.

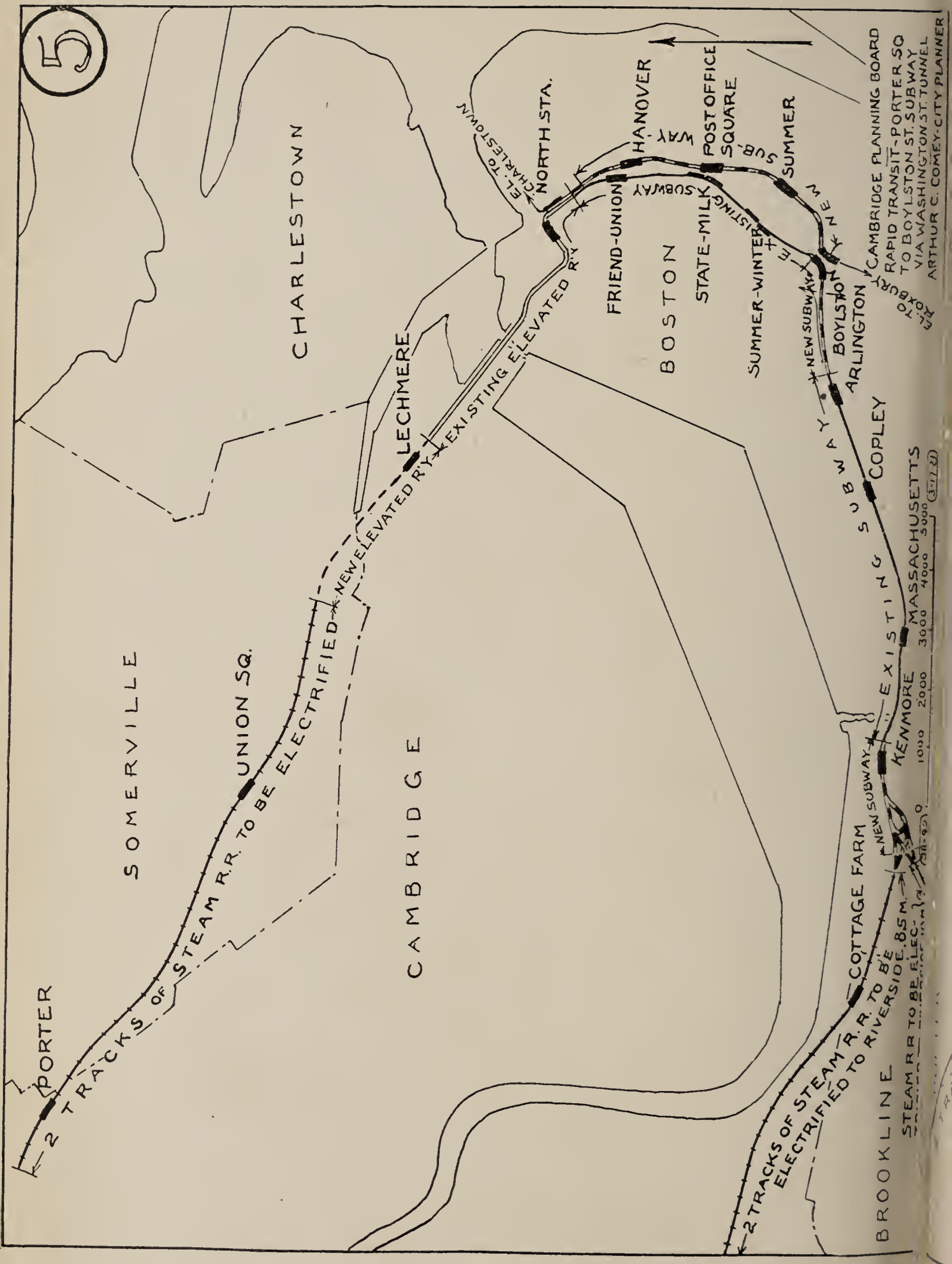
Some day something will be built. Shall we be wise enough to plan ahead so that it can be built to give the greatest return? Our first step is to get somebody on the job permanently.



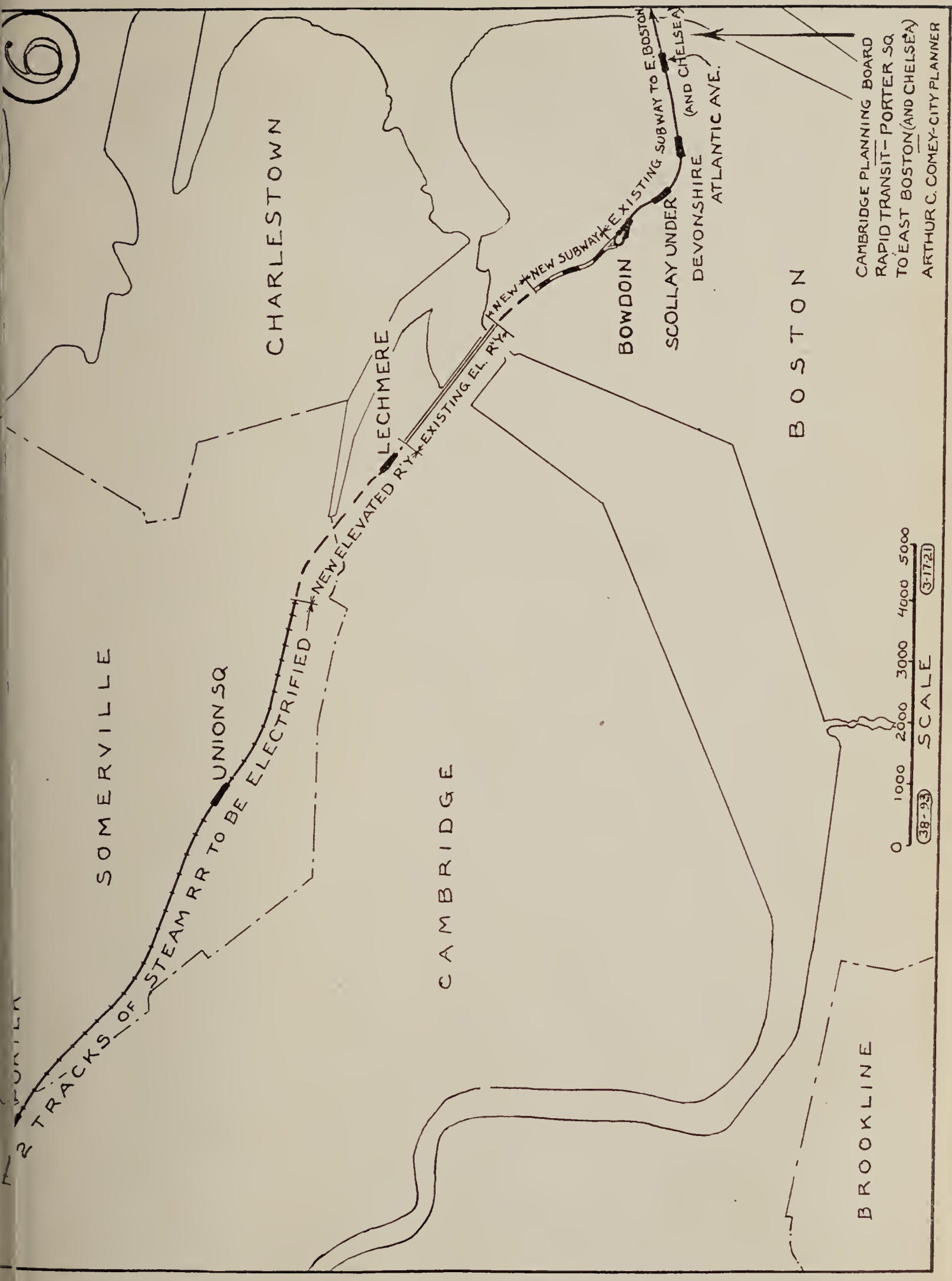
CAMBRIDGE PLANNING BOARD
RAPID TRANSIT-PORTER SQ.
TO BOYLSTON ST. SUBWAY
VIA POST OFFICE SQUARE
ARTHUR C. COMEY-CITY PLANNER

BROOKLINE
2 TRACKS OF STEAM R.R. TO BE
ELECTRIFIED TO RIVERSIDE, 8.5 M.
STEAM R.R. TO BE ELEC-
TRIFIED TO RIVERSIDE, 10 M.
0 1000 2000 3000 4000 5000
MASSACHUSETTS
(38-9D) (3-16-21)

5



6



SOMERVILLE

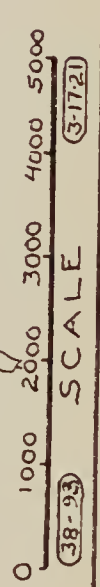
CHARLESTOWN

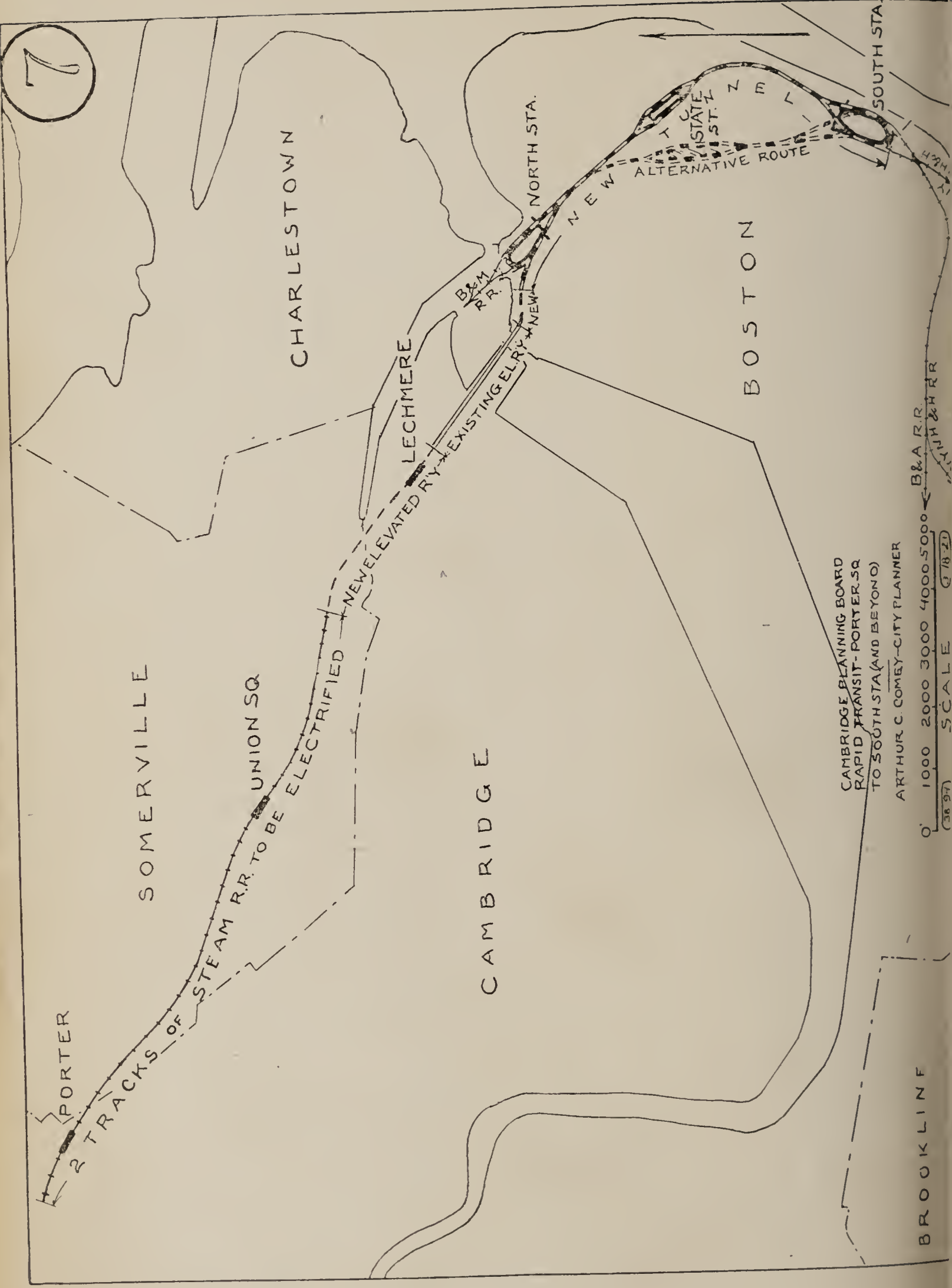
CAMBRIDGE

BOSTON

BROOKLINE

CAMBRIDGE PLANNING BOARD
RAPID TRANSIT - PORTER SQ
TO EAST BOSTON (AND CHELSEA)
ARTHUR C. COMEY - CITY PLANNER





SOMERVILLE

CHARLESTOWN

CAMBRIDGE

BOSTON

PORTER
2 TRACKS OF STEAM R.R. TO BE ELECTRIFIED

UNION SQ

LECHMERE

B&M R.R.

NORTH STA.

STATE ST.
ALTERNATIVE ROUTE

SOUTH STA.







CAMBRIDGE PLANNING BOARD
RAPID TRANSIT-PORTERSQ
TO SOUTH STA (AND BEYOND)
ARTHUR C. COMEY-CITY PLANNER

BROOKLINE

0' 1000 2000 3000 4000-5000
(38 94) SCALE (37 18 20) B&A R.R. NEW H&M R.R.



ARTHUR C. COMEY - CITY PLANNER
MARCH - 1921

2 Tracks of Steam RR. to be electrified: 
Elevated Ry, Existing: , Proposed: 
Street Ry Feeders, Existing: , Proposed: 
Tributary District (in part): 

REPORT OF THE SUPERINTENDENT OF STREETS

To the Honorable, the City Council:
Gentlemen:

In accordance with the provision of Chapter 25 of the revised Ordinances of the City of Cambridge, the annual report of the Superintendent of Streets for the fiscal year ending March 31, 1921, is herewith submitted.

The expenditures under various headings are herewith shown in detail with an analysis of the "segregated budget" items showing the expense of the various divisions, shops and sanitary collections.

There has been an appreciable increase in the area of bituminous work this year as also the more permanent class of construction.

The construction program was completed and the work was carried on until the late fall.

Separate costs of the functional divisions, general maintenance, street cleaning, street watering, snow removal, bridges and pavement repairs are shown under the Maintenance Account and the costs of collection of ashes and offal are shown under the Sanitary Account and to these figures have been added the allotment of the stable account for each division.

MAINTENANCE "A"—PERSONAL SERVICE

| | | |
|--|------------|--------------|
| Superintendent of Streets..... | \$3,000 00 | |
| Chief Clerk | 2,300 00 | |
| Office Clerks | 2,600 00 | |
| Yard Clerks, part time..... | 458 06 | |
| Foremen | 9,132 61 | |
| Work foremen, part time..... | 890 68 | |
| Pavers and stone cutters, part time..... | 3,450 61 | |
| Graders, part time..... | 16,484 61 | |
| Engineers, part time..... | 3,014 84 | |
| Chauffeur | 1,734 64 | |
| Drawtenders | 26,474 96 | |
| Laborers | 122,839 96 | |
| | | \$192,330 97 |

MAINTENANCE "B"—SERVICE

| | | |
|------------------------------|----------|-------------|
| Appropriation | | \$10,175 00 |
| Additional by transfer | | 1,016 20 |
| | | <hr/> |
| | | \$11,191 20 |
| Printing | \$329 65 | |
| Postage | 29 10 | |
| Advertising | 326 96 | |
| Freight | 23 30 | |
| Teaming | 8,529 73 | |
| Power and light..... | 430 05 | |
| Telephone | 204 05 | |
| Motor repairs | 476 39 | |
| Medical services | 170 00 | |
| Testing oils | 31 36 | |
| Motor fees | 84 00 | |
| Boiler inspection | 20 00 | |
| Not otherwise coded..... | 536 61 | |
| | <hr/> | \$11,191 20 |

MAINTENANCE "C"—EQUIPMENT

| | | |
|------------------------------|----------|------------|
| Appropriation | | 4,405 00 |
| Additional by transfer | | 441 59 |
| | | <hr/> |
| | | \$4,846 59 |
| Apparatus | \$449 82 | |
| Motor cars | 908 00 | |
| Office furniture | 163 17 | |
| Tools | 232 17 | |
| Horses | 3,038 00 | |
| Shoes | 8 82 | |
| Not otherwise coded..... | 46 06 | |
| | <hr/> | \$4,846 59 |

MAINTENANCE "D"—SUPPLIES

| | | |
|-----------------------------|----------|------------|
| Appropriation | | \$5,010 00 |
| Additional by transfer..... | | 2,316 94 |
| | | <hr/> |
| | | \$7,326 94 |
| Office supplies | \$314 16 | |
| Ice | 24 35 | |
| Coal | 304 14 | |
| Motor supplies | 4,595 23 | |
| Not otherwise coded..... | 2,089 06 | |
| | <hr/> | \$7,326 94 |

MAINTENANCE "E" MATERIALS

| | | |
|------------------------|-------------|-------------|
| Appropriation | | \$26,500 00 |
| Transferred | | 347 06 |
| | | <hr/> |
| | | \$26,152 94 |
| Highway material | \$24,515 00 | |
| Bridge material | 1,637 94 | |
| | <hr/> | \$26,152 94 |

MAINTENANCE "F"—SPECIAL ITEMS

| | | |
|------------------------------|------------|------------|
| Appropriation | | \$6,000 00 |
| Additional by transfer..... | | 1,272 98 |
| | | <hr/> |
| | | \$7,272 98 |
| Workmen's compensation | \$1,801 27 | |
| Bitulithic patching | 5,471 71 | |
| | <hr/> | \$7,272 98 |

ANALYSIS OF EXPENDITURES BY FUNCTIONAL DIVISIONS

| | | |
|--|----------|-------------------|
| For drawtenders salaries, Canal Bridges..... | | \$26,474 96 |
| General labor on bridges..... | | 650 76 |
| First Street Bridge | | |
| Power | \$60 00 | |
| Light | 21 55 | |
| Fuel | 60 59 | |
| Lumber and hardware..... | 429 77 | |
| Salt | 5 24 | |
| Mechanical repairs | 9 31 | |
| Electrical repairs | 41 09 | |
| | | <hr/> 627 55 |
| Third Street Bridge | | |
| Power | \$60 00 | |
| Lumber and hardware..... | 473 52 | |
| Salt | 5 22 | |
| | | <hr/> 538 74 |
| Sixth Street Bridge | | |
| Power | \$60 00 | |
| Lumber and hardware..... | 370 68 | |
| Electrical repairs | 122 73 | |
| Salt | 5 22 | |
| | | <hr/> 558 63 |
| Commercial Avenue Bridge | | |
| Power | \$195 44 | |
| Light | 21 06 | |
| Fuel | 60 59 | |
| Lumber and hardware..... | 237 07 | |
| | | <hr/> 514 16 |
| Prison Point Bridge | | |
| Lumber and hardware..... | | 111 22 |
| General supplies | | 14 21 |
| | | <hr/> \$29,480 23 |

SNOW REMOVAL

| | | |
|-----------------------|-------------|-----------------|
| Labor, payrolls | \$12,464 15 | |
| Stable charge | 408 66 | |
| Shovels | 55 86 | |
| Brooms | 72 00 | |
| Ice Picks | 47 04 | |
| | | <hr/> 13,047 71 |

STREET CLEANING

| | | |
|-------------------------------|-------------|------------------|
| Labor, payrolls | \$84,052 68 | |
| Hired teaming | 2,695 60 | |
| Stable charge | 14,303 21 | |
| Refilling machine brooms..... | 72 52 | |
| Section carts | 317 52 | |
| Section cans | 132 50 | |
| Cleaning tools | 104 54 | |
| Machine parts | 6 45 | |
| | | <hr/> 101,684 82 |

STREET WATERING

| | | |
|---|------------|-----------|
| Labor, payrolls | \$889 22 | |
| Sprinkling payroll, (Hired teams)..... | 5,834 13 | |
| Stable charge | 204 33 | |
| Power for pump plant..... | 12 00 | |
| Repairs to standpipes..... | 252 26 | |
| Testing oils | 31 36 | |
| Supplies for oilers..... | 24 97 | |
| Road oils and surfacings | | |
| Tarvia "B," 43,270 gallons..... | \$5,936 63 | |
| Sand | 2,362 33 | |
| | <hr/> | 14,780 70 |
| Non-asphaltic road oil, 34,368 gallons..... | 6,481 74 | |
| | <hr/> | 22,028 97 |

PAVEMENT REPAIRS

| | | |
|-----------------------|------------|----------|
| Labor, payrolls | \$4,775 87 | |
| Stable charge | 408 68 | |
| Bricks | 617 40 | |
| Sand | 150 32 | |
| | <hr/> | 5,952 27 |

MAINTENANCE GENERAL

| | | |
|---------------------------------|-------------|----------|
| Executive office | | |
| Superintendent of Streets | \$3,000 00 | |
| Clerks | 4,900 00 | |
| Printing | 329 65 | |
| Postage | 29 10 | |
| Advertising | 326 96 | |
| Telephones | 204 05 | |
| Office supplies | 338 41 | |
| Office furniture | 163 17 | |
| Repairs | 6 07 | |
| | <hr/> | 9,297 41 |
| Labor, payrolls | \$55,183 33 | |
| Stable charge | 10,216 58 | |
| Motor cars and supplies | | |
| New cars | \$908 00 | |
| Mechanical repairs | 476 39 | |
| Fees | 84 00 | |
| Gasoline | 2,733 43 | |
| Parts | 258 56 | |
| Tires | 1,275 55 | |
| Waste | 25 58 | |
| Motor Oil | 250 37 | |
| Tools | 51 74 | |
| | <hr/> | 6,063 62 |
| Signs and posts | | |
| Repairs to posts | 8 38 | |
| Lumber | 251 58 | |
| Oil for lanterns | 259 18 | |
| Lanterns | 186 93 | |
| | <hr/> | 706 07 |

| | | |
|------------------------------------|------------|-------------------|
| New horses | 3,038 00 | |
| Freight | 23 30 | |
| Medical service | 170 00 | |
| Brogans | 8 82 | |
| Street marking paint | 141 91 | |
| Lumber for tool chests..... | 14 80 | |
| Steam rollers repairs and supplies | | |
| Machinery repairs | \$24 25 | |
| Oil and grease..... | 231 47 | |
| Waste | 19 25 | |
| Repair parts | 735 38 | |
| Coal | 182 96 | |
| New picks | 164 64 | |
| Boiler inspection | 20 00 | |
| Boiler compound | 37 63 | |
| | <hr/> | 1,415 58 |
| Street surfacings and materials | | |
| Tarvia "X," 36,100 gallons..... | \$4,952 82 | |
| Crushed stone | 3,177 94 | |
| Patching compound | 829 41 | |
| Miscellaneous | 6 61 | |
| | <hr/> | 8,966 78 |
| Total Maintenance | | <hr/> \$95,246 20 |

STABLE ACCOUNT "B" SERVICE

| | | |
|------------------------------|------------|------------|
| Appropriation | \$1,045 00 | |
| Transferred additional | 615 54 | |
| | <hr/> | \$1,660 54 |
| Power and light..... | \$636 35 | |
| Telephone | 162 33 | |
| Repairs to wagons..... | 454 38 | |
| Medical service | 5 00 | |
| Veterinary service | 11 00 | |
| Outside shoeing | 20 96 | |
| Not otherwise coded..... | 370 52 | |
| | <hr/> | \$1,660 54 |

STABLE ACCOUNT "C" EQUIPMENT

| | | |
|---------------------|---------|--------|
| Appropriation | \$50 00 | |
| Transferred | 40 34 | |
| | <hr/> | \$9 66 |
| Tools | 9 66 | |

STABLE ACCOUNT "D" SUPPLIES

| | | |
|-----------------------------|-------------|-------------|
| Appropriation | \$36,070 00 | |
| Additional by transfer..... | 32,540 32 | |
| | <hr/> | \$59,610 32 |
| Ice | \$25 85 | |
| Coal | 2,303 31 | |
| Forage | 49,540 11 | |
| Medical supplies | 55 | |
| Toilet supplies | 6 12 | |
| Disinfectant | 23 03 | |
| Not otherwise coded | 7,711 35 | |
| | <hr/> | \$59,610 32 |

STABLE EXPENDITURES

YEAR OF 1920-1921

| | | | |
|-----------------------------------|-------------|-------------|-------------|
| Labor of stablemen..... | | \$31,385 26 | |
| Forage: | | | |
| Hay | \$29,845 32 | | |
| Oats | 17,968 88 | | |
| Straw | 1,230 14 | | |
| Bran | 480 67 | | |
| Salt | 15 10 | | |
| | | 49,540 11 | |
| Lighting | | 636 35 | |
| Telephones | | 162 33 | |
| Coal | | 2,303 31 | |
| Ice | | 25 85 | |
| Brushes | | 63 45 | |
| Lumber and stall taps..... | | 951 85 | |
| Plumbing repairs | | 219 38 | |
| Brooms | | 59 99 | |
| Soap and toilet supplies..... | | 57 02 | |
| Roofing repairs and supplies..... | | 129 45 | |
| Veterinarian service | | 11 00 | |
| Disinfectant | | 44 59 | |
| Axle grease | | 98 56 | |
| Medical service | | 5 55 | |
| Heating repairs | | 164 77 | |
| Harness soap and cleaners..... | | 228 91 | |
| Sponges | | 183 59 | |
| Rope | | 18 42 | |
| Glass | | 28 48 | |
| Tools | | 9 66 | |
| Miscellaneous | | 14 25 | |
| | | | \$86,342 13 |

CARPENTER SHOP

| | | |
|-----------------------------|------------|------------|
| Labor of carpenters..... | \$2,902 02 | |
| Lumber and wagon parts..... | 753 53 | |
| General hardware | 398 86 | |
| Tools | 25 35 | |
| Mill work | 464 18 | |
| Saw filing | 58 71 | |
| | | \$4,602 65 |

PAINT SHOP

| | | |
|-------------------------|------------|------------|
| Labor of painters | \$8,294 63 | |
| Paint | 710 82 | |
| Brushes and tools | 96 38 | |
| Turpentine | 103 79 | |
| Oil | 46 12 | |
| Varnish | 266 89 | |
| | | \$9,518 63 |

HARNESS SHOP

| | | |
|-------------------------------|------------|------------|
| Labor of harness makers..... | \$2,647 74 | |
| Stock | 596 55 | |
| Collar and saddle pads..... | 28 76 | |
| Tools | 1 77 | |
| Harness oil and dressing..... | 131 08 | |
| Harness soaps | 206 47 | |
| Outside work | 9 82 | |
| | | \$3,622 19 |

BLACKSMITH SHOP

| | | |
|----------------------------|------------|-------------|
| Labor of blacksmiths | \$8,323 66 | |
| Horse shoes | 568 88 | |
| Nails | 133 90 | |
| Calks | 169 51 | |
| Iron and steel | 239 44 | |
| Leathers and pads | 264 43 | |
| Bolts and nuts | 247 02 | |
| Tools | 75 92 | |
| Oakum and tar | 9 80 | |
| Drive shoes | 272 66 | |
| Drive calks | 407 64 | |
| Outside shoeing | 20 96 | |
| Miscellaneous | 4 41 | |
| | | <hr/> |
| | | \$10,748 23 |

COLLECTION OF ASHES

| | | |
|-----------------------------------|-------------|--------------|
| Labor: | | |
| 1 Foreman | \$2,100 00 | |
| Laborers at \$4.50 | 76,873 64 | |
| Laborers at \$4.25 | 53,371 60 | |
| | | <hr/> |
| | | \$132,345 24 |
| Stable charge | \$56,529 00 | |
| Motor repairs and supplies..... | 1,394 34 | |
| Medical service and supplies..... | 392 21 | |
| Fees | 26 00 | |
| Repairs to plant | 290 66 | |
| Covers | 233 70 | |
| General supplies | 340 30 | |
| | | <hr/> |
| | | \$191,551 48 |

There are now no dumping places in the eastern part of the city and since February of 1921 all material has been hauled to the clay pit on Sherman Street. Naturally, the expense of collection has increased. Effort has been made to secure areas on the Boston side of the river which would remedy this long haul situation to a large degree but little was accomplished.

But little consideration has been given to repeated yearly recommendations for the acquisition of dumping areas.

There were collected during the year 186,622 cubic yards of material of all kinds.

COLLECTION OF HOUSE OFFAL

| | | |
|----------------------------|------------|-------------|
| Labor: | | |
| 1 Foreman, half time | \$1,075 99 | |
| 1 Platform laborer | 1,384 35 | |
| Laborers at \$4.25 | 62,926 90 | |
| | | <hr/> |
| | | \$65,387 24 |
| Stable charge | | 25.185 00 |
| | | <hr/> |
| | | \$90,572 24 |

The tendency during the past six months to quit the hog raising business or curtail the amount of stock raised has been felt in this division and the receipts have fallen off considerably during the year.

There were 23,022 cord feet collected during the year.

BRIDGES

March 21, 1921

WELLINGTON BROOK BRIDGE

The superstructure of this bridge is in good repair, but the northerly abutment wall is broken at both ends and needs slight repairs to prevent more extended damage. The easterly end of the southerly wall is also damaged, apparently by passing ice breaking some of the small stones of the wall, leaving larger stones unsupported. The westerly end of this wall seems to be pushed forward, is bulged, and, for ten or fifteen feet from its westerly end, should be rebuilt.

ALEWIFE BROOK BRIDGE

The bridge over Alewife Brook is in good repair.

SIXTH STREET BRIDGE

The chains for raising the bridge are badly in need of cleaning and painting, and the motor house, on the north side of the draw, needs rebuilding, as a vessel ran against it and has nearly destroyed it.

Both upper and lower planking should be removed, on the roadway, this year. Three guard timbers should be renewed on the southerly side of the draw and one on the northerly side with their guard irons.

THIRD STREET BRIDGE

The chains for raising the draw are badly in need of cleaning and painting and the bolts which hold the gear boxes in place should be tightened, as they are liable to pull out and make raising of the draw impossible. The sidewalk plank should be renewed on all the walks, and the southeasterly walk should have a new supporting timber for the back of the walk. Upper and

under planking of the roadway should be renewed at once. New fender piles are needed at the northwest, southeast and southwest corners of the draw opening. One guard timber is gone at the northwest corner of the draw and one at the southwest. Four guard irons are gone.

FIRST STREET BRIDGE

The draw chains should be repainted and the motor house at the northwest corner of the draw needs repairing. Both the two and three inch planking should be renewed at once. About twenty-five new piles are needed in the fender lines and a dozen guard timbers, also about fourteen guard irons. The fence at the northwest corner of the bridge needs repairing. As a substitute for the above, a new bridge might be proposed.

COMMERCIAL AVENUE BRIDGE

The guard timbers in this bridge are practically all gone, one result being that the parapet of the wall on the northeast side is split off for about eight feet from the westerly end of the abutment. If this piece should be shifted further onto the pier it will interfere with raising the draw. The counterweight boxes are rusting badly and should be scraped and well painted with waterproof paint. The fences on the bridge also need paint. The planking of the bridge is in bad shape and should be renewed as soon as possible.

REPORT ON EXAMINATION OF BRIDGES

MARCH, 1921

WALDEN STREET BRIDGE

March 4, 1921

This bridge is in good repair, but should be painted, the girders at the top of the concrete, near the roadway level, should be scraped and painted at once. Some portions of the fence are innocent of paint.

The bridge seats should be cleaned and concrete or mortar put around the iron bed plates, as the culch now covering them keeps them wet and is rusting them rapidly.

A few loads of filling at the northeast corner of the bridge could be placed to advantage so as to prevent the constant escape of gravel from the sidewalk with its consequent danger of accident.

FOUNTAIN TERRACE BRIDGE

March 4, 1921

This bridge and fence need a thorough scraping and painting, parts of the bridge being covered with rust and looking as though never painted. The fence post at the northeast corner of the bridge is loose and held in place by wires fastened to a wooden post. At this place the angle irons of the face are separated from the post, leaving the fence a weak guard for pedestrians. A few new planks are needed in the sidewalk. One spout for taking water is gone and the drip from the bridge falls upon the arch below. The spout should be at once replaced.

The bottoms of the vertical posts at the foot of the arch members are showing bad signs of decay from rust owing to the dirt which covers them. All the bridge piers should be cleaned and concrete placed to prevent further accumulation.

HURON AVENUE AND FITCHBURG RAILROAD BRIDGE

March 4, 1921

The bridge is in good repair but the seats are covered with debris which keeps the iron damp and is consequently rusting it. These seats should be thoroughly cleaned and concrete placed to protect the bridge numbers. The bridge piers are badly in need of cleaning, and a little concrete should be advantageously used to prevent the clay sliding down and covering the piers. Some way should be found to prevent water from flowing onto the northwest corner of this bridge and keeping the iron wet.

AUSTIN STREET

Inman Street to Columbia Street

| | | |
|--------------------------|------------|-------------|
| Appropriation | | \$21,000 00 |
| Payroll | \$2,834 32 | |
| Hardware, tools | 114 85 | |
| Bitulithic surface | 14,473 15 | |
| Fuel | 100 30 | |
| Lighting | 156 31 | |
| Stable charges | 432 00 | |
| | | <hr/> |
| | | 18,010 07 |
| Balance | | <hr/> |
| | | \$2,989 07 |

This street was constructed with Bitulithic Pavement on the old macadam base. There were 6,393.3 yards.

AUSTIN STREET

Sidney Street Westerly

| | | |
|--------------------------|----------|------------|
| Appropriation | | \$5,000 00 |
| Payroll | \$657 86 | |
| Hardware, tools | 88 91 | |
| Gravel | 108 67 | |
| Cement | 489 06 | |
| Recutting Blocks | 220 50 | |
| Rental Grant mixer | 112 70 | |
| Crushed Stone | 17 25 | |
| Lighting | 56 25 | |
| Stable charges | 150 00 | |
| | | <hr/> |
| | | 1,901 20 |
| Balance | | <hr/> |
| | | \$3,098 80 |

This section of street was opened late in the season and about 300 square yards of granite block paving laid on gravel base and grouted was completed. The remainder of the appropriation will be expended to complete the work next year.

BURLEIGH STREET

Harvard Street to Broadway

| | | |
|-----------------------------|------------|------------|
| Appropriation Balance | | \$5,009 93 |
| Payroll | \$2,410 08 | |
| Hardware, tools | 100 70 | |
| Gravel | 279 45 | |
| Cement | 374 55 | |
| Recutting Blocks | 494 90 | |
| Fuel | 33 11 | |
| Stable charges | 174 00 | |
| | | <hr/> |
| | | 3,866 79 |
| Balance | | <hr/> |
| | | \$1,143 14 |

This grouted granite job between the Lever Brother building is now complete. There are about 650 square yards in the work.

BRATTLE STREET

Sparks Street to Lexington Avenue

| | | |
|--------------------------|-------------|-------------|
| Appropriation | | \$45,000 00 |
| Payroll | \$10,414 23 | |
| Hardware, tools | 16 32 | |
| Gravel | 62 52 | |
| Bitulithic surface | 30,379 97 | |
| Fuel | 232 60 | |
| Lighting | 132 96 | |
| Roller parts | 374 81 | |
| Stable charges | \$2,850 00 | |
| | | <hr/> |
| | | 44,463 41 |
| Balance | | <hr/> |
| | | \$536 59 |

This represents the combination of Brattle Street with Bitu-lithic pavement starting with Sparks Street and stopping at Lexington Avenue. The construction is the same as the lower end, the new paving being laid on the old regraded macadam.

The top surface was used to resurface many of the older side streets in the vicinity. There were 13,419.9 square yards in this work.

EDGESTONES AND SIDEWALKS

| | | |
|--|-------------|-------------------|
| Available Appropriation and Revenue..... | | \$38,207 12 |
| Payroll | \$19,472 76 | |
| Stable charges | 1,989 00 | |
| Granite blocks | 1,960 00 | |
| Hardware, tools | 93 30 | |
| Bricks | 4,384 14 | |
| Edgestones | 7,741 15 | |
| Gravel | 1,358 95 | |
| Rebates, granolithic walks | 875 73 | |
| Lighting | 332 08 | |
| | | <hr/> \$38,207 12 |

The amounts above was expended for setting new edge-stones and brick sidewalks. There is still a number of petitions in the files which will be completed next season.

FIRST STREET

Canal Bridge to Charles Street

| | | |
|----------------------------|-------------|------------------|
| Appropriation | | \$53,000 00 |
| Payroll | \$25,904 99 | |
| Hardware, tools | 476 83 | |
| Gravel | 2,033 19 | |
| Cement | 4,270 70 | |
| Lumber | 81 18 | |
| Recutting Blocks | 5,554 15 | |
| Concrete stone | 2,558 97 | |
| Inspection of boiler | 5 00 | |
| Fuel | 42 55 | |
| Lighting | 369 80 | |
| Repairs to mixer | 293 57 | |
| Sewer work | 56 35 | |
| Repairs to grouter | 4 12 | |
| Rental of grouter | 480 00 | |
| Stable charges | 2,970 00 | |
| | | <hr/> 45,234 89 |
| Balance | | <hr/> \$7,675 11 |

This job was the largest of the year and was greatly needed. The old blocks in this street were taken up and recut. A concrete base was laid and the recut block laid back and grouted with cement. Changes in the grade had to be made on account of

the settlement of the street. It is hoped that the entire street may be completed next year.

There were 7,597 square yards in the work.

GORE STREET

| | | |
|-----------------------------|----------|-------------------|
| Appropriation Balance | | \$23,483 70 |
| Payroll | \$728 43 | |
| Hardware, tools | 53 16 | |
| Gravel | 3 09 | |
| Cement | 1,171 49 | |
| Bitulithic surface | 7,164 35 | |
| Lighting | 54 24 | |
| Rental of grouter | 68 60 | |
| Stable charges | 150 00 | |
| | | <hr/> 9,393 36 |
| Balance | | <hr/> \$14,090 34 |

Gore Street was covered with Bitulithic Pavement on the old granite blocks from Kelley Square to Sixth Street. The old pavement was shaped up and the two-inch new surface laid over it.

This is the first job of this particular type done in the city and the results will be watched with interest.

There were 3,692.2 square yards in the work.

NEW EQUIPMENT APPROPRIATION

| | |
|---|------------|
| Appropriation (Street Dept. Portion)..... | \$5,380 20 |
| New Stearns Concrete Mixer..... | 5,380 20 |

The amount above was expended for supplying the department with a new steam driven concrete mixer of the latest design.

It was first worked on First Street and the results have justified its addition to the equipment. Incidentally, a new gasoline grouter has been purchased on a rental basis and has been used with success in grouting the granite paving work.

THIRD STREET, SIXTH STREET AND COMMERCIAL AVENUE BRIDGES

| | |
|---------------------------|----------|
| Appropriation | \$873 44 |
| Labor and materials | 548 35 |
| | <hr/> |
| Balance | \$325 09 |

The above amount was expended in making needed repairs to the three bridges.

RINDGE AVENUE

| | | |
|--------------------------|------------|-----------------|
| Appropriation | | \$21,000 00 |
| Payroll | \$4,375 31 | |
| Roller parts | 39 08 | |
| Hardware, tools | 164 64 | |
| Sewer work | 37 20 | |
| Bitulithic surface | 14,003 87 | |
| Fuel | 72 88 | |
| Lighting | 208 39 | |
| Stable charges | 1,506 00 | |
| | | <hr/> 20,767 37 |
| Balance | | <hr/> \$232 63 |

Rindge Avenue was completed from Massachusetts Avenue to Cedar Street with Bitulithic Pavement on the old macadam base. There were 6,186 square yards in the work.

NINTH AND PORTER STREETS

| | | |
|--------------------------|----------|----------------|
| Appropriation | | \$8,000 00 |
| Payroll | \$652 76 | |
| Hardware, tools | 53 41 | |
| Crushed Stone | 592 65 | |
| Bitulithic surface | 5,670 15 | |
| Lighting | 27 13 | |
| Stable charges | 147 00 | |
| | | <hr/> 7,143 10 |
| Balance | | <hr/> \$856 90 |

This is all one street meeting at the angle. It was completed from Binney Street to Sixth Street with Bitulithic Pavement on the old macadam base.

There were 1,026.7 square yards in the work.

RECOMMENDATIONS

The program for the coming year's work has been practically decided upon at this writing. Kendall Square is to be repaved with granite grouted blocks. Brattle Street will be finished to Mount Auburn Street with Bitulithic Pavement, and Austin Street will be completed to Main Street with the same material.

It is proposed to complete Walden Street from the railroad bridge to Copley Street and Sherman Street from the railroad crossing to Huron Avenue with Bitulithic. Both of these improvements are urgently needed.

Linnaean Street and Craigie Street will be also paved during the summer.

Brattle Square is also to receive attention and the granite paving which is now in poor condition will be removed and probably replaced with a different type of road. Somerville Avenue and Second Street are under consideration for improvement.

A sizable list of bituminous macadam work has been laid out for the summer's work.

I shall again recommend the erection of a small asphalt plant where mixtures can be properly made for repairing defective streets.

During the winter there have been surveys made of the ash collection and much valuable information gathered on the work. I shall recommend that a suitable division be made and the city split up in different routes than at present with a view to a more economical and practical collection and disposal of this material.

The necessary appropriation for building a modern garage building and shops has now been made and work started. The building will be completed early in the fall. It will occupy the Hampshire Street and Norfolk Street sides of the yard. The total cost will be about \$45,000.00

There is need of modern machinery to properly handle large snow storms and I recommend that a tractor be added to the equipment.

The co-operation of the department employees contributed largely to the successful completion of the year's work and I extend my appreciation to the Mayor and City Government for their assistance also.

Respectfully submitted,

EDWARD J. DUNPHY,
Superintendent of Streets

BITUMINOUS MACADAM RESURFACING 1920

| STREET | Square Yards | Payroll | Binder | Stable Charge | Fuel | Crushed Stone | Sewer Work | Total |
|--|-----------------|------------|-------------|------------------|------------|------------------|---------------|-------------|
| Bay, Green to Kinnaird | 1,300 | \$108.00 | \$306.09 | \$45.00 | \$45.50 | \$556.74 | | \$1,061.33 |
| Bird, entire | 960 | 110.50 | 466.48 | 24.00 | 54.33 | 554.25 | | 1,209.56 |
| Fayerweather, Vassal Lane to Concord | 2,270 | 916.56 | 1,097.75 | 108.00 | 53.38 | 1,824.92 | \$187.50 | 4,188.11 |
| Fayette, entire | 3,780 | 374.97 | 1,861.21 | 162.00 | 35.70 | 1,713.56 | | 4,147.44 |
| Fifth, Otis to Charles | 3,700 | 492.45 | 1,152.48 | 90.00 | 47.92 | 1,395.70 | | 3,178.55 |
| Flagg, entire | 2,100 | 389.52 | 812.17 | 147.00 | 65.50 | 1,403.91 | | 2,818.10 |
| Garfield, entire | 3,150 | 438.43 | 1,248.52 | 150.00 | 74.15 | 2,235.81 | | 4,146.91 |
| Gorham, Museum to Hammond | 375 | 44.75 | 112.00 | ..... | ..... | 94.00 | | 250.75 |
| Granville Road, Vassal to Fayerweather | 1,570 | 648.13 | ..... | 75.00 | 30.35 | 861.42 | | 1,614.90 |
| Hamilton, Brookline to Sidney | 1,200 | 138.01 | 658.95 | 51.00 | ..... | 739.49 | | 1,587.45 |
| Harding, entire | 1,422 | 191.85 | 659.54 | 51.00 | 106.26 | 1,575.00 | | 2,583.65 |
| Hawthorne, entire | 1,750 | 233.00 | 697.75 | 45.00 | 47.47 | 920.47 | | 1,943.69 |
| Hayward Street, entire | 1,344 | 274.06 | 319.90 | 45.00 | 84.47 | 1,470.31 | | 2,193.74 |
| Larch Road, Huron Avenue to Wyeth.. | 1,500 | 128.00 | 672.28 | 51.00 | 79.86 | 1,073.81 | | 2,004.95 |
| Lechmere Street, entire | 650 | 356.09 | 255.19 | 150.00 | 20.60 | 412.71 | | 1,194.59 |
| Lee Street, Harvard to Mass. Avenue.. | 2,700 | 298.56 | 960.12 | 90.00 | 49.44 | 905.52 | | 2,303.64 |
| Market, entire | 4,666 | 607.74 | 1,646.40 | 150.00 | 149.89 | 2,403.53 | | 4,957.56 |
| Museum, entire | 1,500 | 149.00 | 420.00 | ..... | 50.00 | 848.76 | | 1,467.76 |
| Parnell Street, entire | 420 | 112.63 | 154.80 | ..... | 37.01 | 287.26 | | 591.70 |
| Pearl, Putnam Avenue to Granite..... | 2,664 | 361.55 | 1,386.24 | 75.00 | 50.26 | 1,157.30 | | 3,030.35 |
| Pemberton, entire | 7,500 | 1,166.88 | 2,563.19 | 300.00 | 20.60 | 3,588.22 | | 7,638.89 |
| Regent, entire | 1,500 | 334.56 | 421.55 | 54.00 | ..... | 1,220.83 | | 2,030.94 |
| Norumbega, entire | 900 | 88.25 | 388.41 | 24.00 | 97.14 | 519.21 | | 1,117.01 |
| Tudor, entire | 1,128 | 282.23 | 776.55 | 90.00 | 68.63 | 693.47 | | 1,910.88 |
| Trowbridge, Broadway to Cambridge.. | 1,800 | 563.59 | 439.04 | 225.00 | 66.20 | 1,254.90 | | 2,548.73 |
| Union, Hampshire to Market | 735 | 105.75 | 384.16 | 24.00 | 24.60 | 353.24 | | 891.75 |
| Wadsworth, entire | 1,760 | 522.36 | 577.22 | 54.00 | 46.63 | 1,105.07 | | 2,305.28 |
| | | \$9,437.42 | \$20,437.99 | \$2,280.00 | \$1,405.89 | \$31,169.41 | \$187.50 | \$64,918.21 |

STREET DEPARTMENT
INVENTORY OF REAL AND PERSONAL PROPERTY
Real Estate

| Location | Buildings and Land | Erec- tion of Build- ings | Pur- chase of Land | Feet of Land | Valua- tion of Land | Valua- tion of Build- ings |
|-------------------|---|------------------------------------|-----------------------------|-----------------|---------------------------|-------------------------------------|
| Raymond St.... | City Yard and Stable, stable, sheds, scales etc..... | 1897 | 1896 | 272,670 | \$27,300 | \$27,000 |
| Hampshire St... | Incinerator plant..... | 1912 | .... | ..... | ..... | 5,000 |
| | City Stable, sheds, sta- bles and scales, includ- ing old police station. | 1885 | .... | 72,661 | 32,400 | 16,000 |
| E. S. Norfolk St. | Yard and pound..... | .... | .... | 34,650 | 13,900 | 300 |
| Acton, Mass.... | Land, gravel bank..... | .... | 1896 | ..... | 3,000 | ..... |
| Main St..... | Land and incinerator plant..... | 1908 | .... | 52,000 | 32,700 | 11,200 |
| | | | | | \$109,300 | \$59,500 |

Total valuation of real estate\$168,800.00

PERSONAL PROPERTY

| | |
|---|--------------|
| 100 horses | 30,000 00 |
| 15 watering carts | 4,000 00 |
| 80 single and double carts | 8,000 00 |
| 125 sets harness | 2,000 00 |
| 2 gasoline concrete mixers | 1,000 00 |
| 1 steam concrete mixer | 5,000 00 |
| 1 gasoline grouting machine | 650 00 |
| 4 steam rollers | 12,000 00 |
| 22 Shadbolt carts | 8,000 00 |
| 1 Waston cart | 200 00 |
| 50 feet straight edgestone | 65 00 |
| 30,000 second hand vitrifiee brick | 600 00 |
| 50,000 second hand granite blocks | 2,000 00 |
| 40,000 recut granite blocks | 2,000 00 |
| Oil storage, Portland Street | 1,000 00 |
| Oil storage, Raymond Street | 1,000 00 |
| Stone crusher, Raymond Street | 1,000 00 |
| Furnace, Main Street Incinerator | 7,000 00 |
| Miscellaneous machinery | 600 00 |
| Miscellaneous tools, road machines, brooms, scrapers, waste barrels, push carts, etc. | 9,000 00 |
| Miscellaneous plows, pungs, etc. | 2,000 00 |
| Stock of grain, shop supplies, etc. | 1,000 00 |
| | \$98,115 00 |
| Valuation of real estate | 168,800 00 |
| | \$266,915 00 |

REPORT OF SEALER OF WEIGHTS AND MEASURES

Cambridge, April 9, 1921.

To the Honorable City Council of the City of Cambridge:

In compliance with the City Ordinance I respectfully submit a report for the department of Weights and Measures for the year ending March 31, 1921.

| | |
|---------------------|------------|
| Appropriation | \$8,891 00 |
|---------------------|------------|

Salaries of Sealers:

| | | |
|------------------------|------------|------------|
| Felix C. McBride | \$2,157 69 | |
| Emery P. Morris | 1,750 00 | |
| Hugh H. Healey | 1,800 00 | |
| Joseph O. Neil | 1,750 00 | |
| George Curran | 120.00 | |
| | | \$7,577 69 |

Equipment:

| | |
|--|--------|
| Misses Littlefield, copying | 3 04 |
| Harvard Automobile Company, care, repair, supplies | 378 91 |
| Allen Docine Co., dies | 56 84 |
| Mass. Highway Com., registration ... | 26 00 |
| J. Cushing, corn | 9 20 |
| Caustic-Claflin, books | 55 76 |
| Boston Elevated Ry. Co., tickets | 11 00 |
| Charles Dissillier, repair | 59 06 |
| New England Telephone Co., service. | 28 37 |
| Hobbs & Warren, seals | 28 18 |
| Recorder Pub. Co., advertising | 7 84 |
| Street Dept., gas and oil | 220 23 |
| William H. Green, repair | 5 88 |
| Dover Stamping Co., measure | 17 23 |
| W. and L. E. Gurley, drills | 19 04 |
| Central Auto Tire Co., tires | 44 25 |
| Boston Auto Supply Co., tires | 48 13 |
| H. Pill & Bros., sundries | 16 67 |
| L. A. Stingel, hardware | 50 27 |
| Warren Rubber Co., tires | 23 93 |
| Geo. E. Mursters, Washington, D. C... | 63 23 |
| Nat. O' ce Supply Co., sundries | 22 50 |
| E. L. Grimer, report | 20 63 |
| Edwin R. Sage, soap | 3 29 |
| Harvard Co-operative Society, bag .. | 7 84 |
| City Messenger Dept., stamps | 11 37 |
| Geo. F. Snell, repairs | 1 13 |

\$8,826 51

Total expenditures

\$8,826 51

Amount unexpended.....

64 49

Revenue:

| | | | |
|---------------------------------|----------|-------|------------|
| Fees for sealing | \$724 08 | | |
| Fees for adjusting | 87 09 | | |
| | | <hr/> | |
| | | | \$811 17 |
| Total amount expended | | | \$8,826 51 |
| Total amount collected | | | 811 17 |
| | | | <hr/> |
| Net expense of department | | | \$8,015 34 |
| Estimate of revenue | | | 850 00 |

TESTS MADE AT OFFICE FOR YEAR ENDING MARCH 31, 1921

| | | | |
|--|-------|-------|--------|
| Scales sealed | 626 | | |
| Scales adjusted | 30 | | |
| Scales condemned | 17 | | |
| | | <hr/> | 673 |
| Weights sealed | 294 | | |
| Weights adjusted | 42 | | |
| Weights condemned | 11 | | |
| | | <hr/> | 347 |
| Dry measures sealed | 98 | | |
| Liquid measures sealed | 156 | | |
| Liquid measures adjusted | 15 | | |
| Liquid measures condemned | 7 | | |
| | | <hr/> | 276 |
| Ice cream measures sealed | 9,786 | | |
| Ice cream measures adjusted | 1,835 | | |
| Ice cream measures condemned | 87 | | |
| | | <hr/> | 11,708 |
| Milk jars tested | | | 861 |
| | | | <hr/> |
| Total number of tests made at office | | | 13,865 |

TESTS MADE OUTSIDE OF OFFICE FOR YEAR ENDING MARCH 31, 1921

| | | | |
|---------------------------------|-------|-------|-------|
| Scales sealed | 1,398 | | |
| Scales adjusted | 246 | | |
| Scales condemned | 49 | | |
| | | <hr/> | 1,693 |
| Weights sealed | 4,036 | | |
| Weights adjusted | 399 | | |
| Weights condemned | 68 | | |
| | | <hr/> | 4,503 |
| Dry measures sealed | 59 | | |
| Dry measures condemned | 8 | | |
| | | <hr/> | 67 |
| Liquid measures sealed | 848 | | |
| Liquid measures adjusted | 84 | | |
| Liquid measures condemned | 19 | | |
| | | <hr/> | 951 |
| Oil pumps sealed | 119 | | |
| Oil pumps adjusted | 38 | | |
| Oil pumps condemned | 6 | | |
| | | <hr/> | 163 |
| Yard measures sealed | 111 | | |
| Yard measures condemned | 15 | | |
| | | <hr/> | 126 |
| | | | <hr/> |
| Amount brought forward | | | 7,503 |

| | | |
|--|-------|----------|
| Platform scales sealed, capacity 5,000 lbs. | 89 | |
| Platform scales sealed less than 5,000 lbs. | 580 | |
| Slot weighing scales sealed | 89 | |
| 25 lb. bags of coal tested | 5,587 | |
| Coal re-weighing in wagons | 42 | |
| Tests made in stores | 7,420 | |
| Tests made on streets | 2,123 | |
| Berry boxes tested | 2,892 | |
| | <hr/> | 18,822 |
| Total number of tests outside of office | .. | 26,325 |
| Total number of tests at office | | 13,865 |
| | | <hr/> |
| Total number of tests made | | 40,190 |
| Miscellaneous Books | | \$200 00 |
| 1 Express Wagon | | 100.00 |
| 1 Light Wagon | | 35 00 |
| 1 Pung | | 23 00 |
| 2 Harnesses | | 70 00 |
| 1 Push Robe | | 6 00 |
| 1 Stable Blanket | | 2 00 |
| 1 Rain Blanket | | 2 00 |
| 1 Woolen Blanket | | 8 00 |
| 1 Halter | | 75 |
| 1 Hitch Weight | | 50 |
| 1 Balance Scale | | 88 69 |
| 1 Platform Scale, 1-2 to 2,500 lbs. | | 75 00 |
| 1 Folding Platform Scale, 1-4 lb. to 600 lbs. | | 30.00 |
| 1 Balance, 1-10 milligramme to 500 grammes | | 35 00 |
| 1 Balance, 1-50 grain to 1-2 lb. | | 15 00 |
| 1 Sealer's Balance, 1 grain to 100 lb. | | 150 00 |
| 2 Leather Tool Bags | | 9 50 |
| 1 Sealer's Balance, 1 grain to 8 lbs. | | 50 00 |
| 2 Sealer's Trip Scales (not used) | | 5 00 |
| 1 Spring Scale, 1 lb. to 125 lbs. | | 1 00 |
| 2 Sets (19) Avoirdupois Weights, 4 lbs. to 1-8 oz. | | 10 00 |
| 1 Set (9) Troy Weights, 16 oz. to 1-8 oz. | | 3 00 |
| 1 Set (13) Metric Weights, 1 kilo to 1 gramme | | 5 00 |
| 5 Boxes Miscellaneous Weights (not standardized) | | 10 00 |
| 1 Set (3) Iron Weights, 25-lb., 10-lb., 5-lb. | | 5 00 |
| 40 50-lb. Weights | | 100 00 |
| 1 Arch | | 2 00 |
| 3 Glass Graduates | | 1 00 |
| 1 Set (21) Grain Weights, 1,000 gr. to 1-1000 gr. | | 13 50 |
| 1 Set (21) Metric Weights, 50 gram to 1-10 | | 13 50 |
| 1 Set (5) Copper Dry Measures, 1-2 bushel to 1 quart | | 45 00 |
| 1 Set (3) Brass Dry Measures, 1 quart to 1-2 pint | | 5 00 |
| 2 Sets (14) Copper Liquid Measures, 1 gal. to 1 gill | | 30 00 |
| 1 Yard Measure | | 1 50 |
| 1 Iron Truck | | 5 00 |
| 1 5-gal. Copper Measure | | 15 00 |
| 1 Steel Tape | | 10 00 |
| 1 Pair of Inside Calipers | | 3 50 |
| 1 Set Brands | | 3 00 |
| 1 Plumber's Furnace | | 5 00 |
| Miscellaneous Tools | | 50 00 |

| | |
|--------------------------|------------------|
| 3 Record Books | 15 00 |
| 2 Ford Automobiles | 1,074 19 |
| Total | <hr/> \$2,331 63 |

This department has caused eight persons to be summoned to court for violations of laws relating to short weight and measure and convictions and fines amounting to \$140 have been paid.

Respectfully submitted,

FELIX C. McBRIDE,

Sealer of Weights and Measures.

REPORT OF CAMBRIDGE WATER BOARD

April 1, 1921.

To the Honorable, the City Council of the City of Cambridge,

Gentlemen:—The fifty-sixth annual report of the Cambridge Water Board for the year ending March 31, 1921, is herewith submitted for your consideration.

The reports of the General Superintendent of Water Works, Water Registrar and Commissioners of the Sinking Fund of the City give in detail the operations and financial condition of the water works.

FINANCIAL STATEMENT IN BRIEF

Total cost of water works to March 31, 1921..... \$6,801,494 52

WATER WORKS BOND ACCOUNT

Whole amount of bonds outstanding April 1, 1921.. \$1,006,000 00
Less value of water debt sinking fund..... 652,723 59

Net water debt on March 31, 1921..... \$353,276 41

During the past year the following water bonds matured and were paid, viz:

| | | | |
|--------------------|-----|-------------|----------|
| May 1, 1920..... | 3½% | \$12,500 00 | (serial) |
| July 1, 1920..... | 3½% | 3,500 00 | (serial) |
| Sept. 1, 1920..... | 3½% | 1,000 00 | (serial) |
| Nov. 1, 1920..... | 4% | 30,000 00 | |
| Nov. 1, 1920..... | 3½% | 500 00 | (serial) |
| Dec. 1, 1920..... | 3½% | 1,000 00 | (serial) |
| Feb. 1, 1921..... | 3½% | 1,500 00 | (serial) |
| March 1, 1921..... | 3½% | 500 00 | (serial) |

Total \$50,500 00

CONSUMPTION OF WATER

The total consumption of water for the year
ending April 1, 1921, was..... 4,043,917,000 gallons
The total consumption of water for the year
ending April 1, 1920, was..... 3,990,502,200 gallons

| | |
|---|--------------------|
| Increase over last year..... | 53,414,800 gallons |
| Daily average consumption in 1920-21..... | 11,079,224 gallons |
| Daily average consumption in 1919-20..... | 10,903,011 gallons |

| | |
|------------------------------|-----------------|
| Increase over last year..... | 176,213 gallons |
|------------------------------|-----------------|

Stony Brook and Hobbs Brook Reservoirs are full and overflowing, as has been the case for years. Between April 1, 1920, and April 1, 1921, there has 5,727,600,000 gallons gone to waste over Stony Brook overflow.

The Board has under consideration the placing of flash boards over the waste ways at Stony Brook and Hobbs Brook Reservoirs which will result, if placed, in saving a portion of the water now going to waste each year over Stony Brook waste way. This can be done at a small expense, and it is estimated will give us increased storage capacity of between three and four hundred million gallons.

FILTRATION

Consulting Engineer George A. Johnson has revised the plans and specifications for the proposed filtration plant, and we hope that labor conditions and the lower cost of material will enable us to proceed with the construction of the plant this year, and to have it in operation on or about September 1, 1922.

PREPARATIONS FOR FILTRATION

We have continued having our large mains systematically cleaned in anticipation of the filtration system. Last year we cleaned over seven miles of large mains, and the last five years we have cleaned 23.7 miles, so that our large feeders are now in excellent condition. We are intending to request a further appropriation for cleaning mains, and if the appropriation is granted we shall continue the cleaning next year, and hope that the mains will be in good condition by the time the filtration plant is completed and in operation.

METERED WATER

Our meter receipts show a gratifying increase over the preceding year, which indicates that the industrial concerns are using a normal amount of water, and are slowly recovering from the business depression of the preceding year.

METERS

Two hundred ninety-two meters were added during the year, making a total of 6,892 now in use, or 46% of the live supplies now being metered. Of the 6,892 meters now in place, we receive revenue from 6,742, the remaining meters being the detector type set on fire supplies, and the others on public buildings, from which two latter we receive no revenue.

IN GENERAL

| | |
|--|--------------|
| The surplus receipts in 1917-18 amounted to..... | \$33,543 71 |
| The surplus receipts in 1918-19 amounted to..... | 105,994 89 |
| The surplus receipts in 1919-20 amounted to..... | 71,060 28 |
| The surplus receipts in 1920-21 amounted to..... | 80,242 80 |
| <hr/> | |
| Total | \$290,841 68 |

This amount (\$290,841.68) is in the hands of the City Treasurer to be expended for water works extensions and improvements.

Respectfully submitted,

JAMES J. SCULLY,
BERNARD E. McDERMOTT,
JOSEPH E. DOHERTY,
JOHN F. O'BRIEN,
JOHN P. CONROY,
Cambridge Water Board.

REPORT OF THE WATER REGISTRAR

Water Registrar's Office,
April 1, 1921.

Hon. Timothy W. Good, General Superintendent of Cambridge
Water Works:

Dear Sir:—In compliance with the requirements of the city ordinance, I present the fifty-sixth annual report of the operations of this department, showing the receipts, expenditures, abatements, etc., for the year ending March 31, 1921:

Amount of bills unpaid March 31, 1920:

| | | |
|--|-------------|-------------|
| Water rates | \$31,414.09 | |
| Supplies and repairs | 3,441.49 | |
| Off and on | 141.00 | |
| Seals | 29.50 | |
| Maintenance and Building Account | 2,081.97 | |
| Construction Account | 9.53 | |
| | <hr/> | \$37,117.58 |

Amount of bills placed in the hands of the City Treasurer for collection from April 1, 1920 to March 31, 1921:

| | | |
|--|--------------|--------------|
| Water rates | \$451,563.78 | |
| Supplies and repairs | 10,421.03 | |
| Off and on, rents and seals | 808.15 | |
| Maintenance and Building Account | 10,185.36 | |
| | <hr/> | \$472,978.32 |
| | | <hr/> |
| | | \$510,095.90 |

There has been collected:

| | |
|---------------------|--------------|
| Water rates | \$453,775.94 |
| Miscellaneous | 21,144.25 |

There has been abated:—

| | |
|---|----------|
| Water rates, off and on, seals, supplies and repairs, and construction account | 5,533.37 |
|---|----------|

There remains uncollected:

| | | |
|--|-------------|--------------|
| Water rates | \$23,698.36 | |
| Supplies and repairs | 2,890.41 | |
| Off and on | 108.00 | |
| Seals | 17.50 | |
| Maintenance and Building Account | 2,928.07 | |
| | <hr/> | \$510,095.90 |

EXPENDITURES

| | | |
|---|--------------|--------------|
| Maintenance Account from April 1, 1920, to March 31, 1921 | \$333,641.34 | |
| Serial bonds paid | 20,500.00 | |
| | | <hr/> |
| | | \$354,141.34 |

ABATEMENTS

| | | |
|---|--|------------|
| Water rates, supply and repair and construction bills from April 1, 1920, to March 31, 1921, to the amount of | | \$5,533.37 |
|---|--|------------|

REFUNDS

| | | |
|---|--------------|--------------|
| Water rates from April 1, 1920, to March 31, 1921, to the amount of | \$ 833.25 | |
| Which amount deducted from receipts | 453,775.94 | |
| | | <hr/> |
| Leaves net receipts for water | \$452,942.69 | |
| Add off and on, rents, fines, seals and maintenance and supply accounts | 21,144.25 | |
| | | <hr/> |
| Makes net receipts of rates, fines, etc. | | \$474,086.94 |

Statements of yearly revenue received from water rates since the purchase of the works by the City:

| | |
|--|-------------|
| From April 28, 1865, to December 1, 1865 | \$32,367 19 |
| From December 1, 1865, to December 1, 1866 | 40,073 27 |
| From December 1, 1866, to December 1, 1867 | 53,733 62 |
| From December 1, 1867, to December 1, 1868 | 63,747 42 |
| From December 1, 1868, to December 1, 1869 | 76,149 30 |
| From December 1, 1869, to December 1, 1870 | 92,605 95 |
| From December 1, 1869, to December 1, 1870 | 92,605 95 |
| From December 1, 1870, to December 1, 1871 | 111,782 65 |
| From December 1, 1871, to December 1, 1872 | 127,201 30 |
| From December 1, 1872, to December 1, 1873 | 146,117 32 |
| From December 1, 1873, to December 1, 1874 | 153,634 27 |
| From December 1, 1874, to December 1, 1875 | 138,880 37 |
| From December 1, 1875, to December 1, 1876 | 179,166 76 |
| From December 1, 1876, to December 1, 1877 | 154,843 59 |
| From December 1, 1877, to December 1, 1878 | 157,443 91 |
| From December 1, 1878, to December 1, 1879 | 164,681 90 |
| From December 1, 1879, to December 1, 1880 | 173,325 49 |
| From December 1, 1880, to December 1, 1881 | 170,062 73 |
| From December 1, 1881, to December 1, 1882 | 177,430 80 |
| From December 1, 1882, to December 1, 1883 | 179,361 89 |
| From December 1, 1883, to December 1, 1884 | 161,526 27 |
| From December 1, 1884, to December 1, 1885 | 185,544 36 |
| From December 1, 1885, to December 1, 1886 | 199,404 43 |
| From December 1, 1886, to December 1, 1887 | 204,748 64 |
| From December 1, 1887, to December 1, 1888 | 211,156 27 |
| From December 1, 1888, to December 1, 1889 | 221,124 70 |
| From December 1, 1889, to December 1, 1890 | 231,116 32 |
| From December 1, 1890, to December 1, 1891 | 227,054 53 |
| From December 1, 1891, to December 1, 1892 | 237,527 08 |
| From December 1, 1892, to December 1, 1893 | 242,219 78 |
| From December 1, 1893, to December 1, 1894 | 250,032 71 |
| From December 1, 1894, to December 1, 1895 | 268,813 62 |
| From December 1, 1895, to December 1, 1896 | 281,030 00 |
| From December 1, 1896, to December 1, 1897 | 291,457 62 |

| | |
|--|------------|
| From December 1, 1897, to December 1, 1898 | 267,129 78 |
| From December 1, 1898, to December 1, 1899 | 302,569 00 |
| From December 1, 1899, to December 1, 1900 | 319,479 37 |
| From December 1, 1900, to December 1, 1901 | 320,468 01 |
| From December 1, 1901, to December 1, 1902 | 323,000 53 |
| From December 1, 1902, to December 1, 1903 | 333,777 34 |
| From December 1, 1903, to December 1, 1904 | 339,109 27 |
| From December 1, 1904, to December 1, 1905 | 343,916 00 |
| From December 1, 1905, to December 1, 1906 | 355,768 47 |
| From December 1, 1906, to December 1, 1907 | 373,151 35 |
| From December 1, 1907, to March 31, 1909 (16 months) | 410,533 41 |
| From April 1, 1909, to March 31, 1910 | 351,264 86 |
| From April 1, 1910, to March 31, 1911 | 375,722 42 |
| *From April 1, 1911, to March 31, 1912 | 353,891 02 |
| From April 1, 1912, to March 31, 1913 | 385,475 71 |
| From April 1, 1913, to March 31, 1914 | 383,342 41 |
| From April 1, 1914, to March 31, 1915 | 396,827 26 |
| From April 1, 1915, to March 31, 1916 | 394,908 36 |
| From April 1, 1916, to March 31, 1917 | 401,607 91 |
| From April 1, 1917, to March 31, 1918 | 358,335 70 |
| From April 1, 1918, to March 31, 1919 | 423,906 19 |
| From April 1, 1919, to March 31, 1920 | 403,250 84 |
| From April 1, 1920, to March 31, 1921 | 453,775 94 |

*Reduction in water rate schedule.

COMPARATIVE STATEMENT

MAINTENANCE ACCOUNT

| | Received | |
|-----------------------------|--------------------------------|--------------------------------|
| | 1919-1920 | 1920-1921 |
| From rates, fines, etc. ... | \$422,476.17 | \$474,920.19 |
| aeRppropriations | 6,010.00 | |
| | <u> </u> \$428,486.17 | <u> </u> \$474,920.19 |
| | Expended | |
| General pumping and re- | | |
| servoirs | \$291,763.26 | \$332,768.09 |
| Refunds | 1,168.88 | 833.25 |
| Interest on water debt .. | 43,993.75 | 40,536.25 |
| Serial bonds paid | 20,500.00 | 20,500.00 |
| Balance due water works | 71,060.28 | 80,282.60 |
| | <u> </u> \$428,486.17 | <u> </u> \$474,920.19 |

The above surplus receipts for the year 1920-21 (\$80,282.60), together with those of the preceding years, amounting to \$290,-841.68, are retained in the city treasury to the credit of the Water Department, as required by law.

The monthly house-to-house inspection for leaks and waste has shown satisfactory results. This inspection has resulted in a very considerable saving in waste of water.

Respectfully submitted,

WALTER H. HARDING,

Registrar.

REPORT OF THE SUPERINTENDENT OF THE
CAMBRIDGE WATER WORKS

April 1, 1921.

To the Honorable Water Board of the City of Cambridge.

Gentlemen:—The annual report of the Superintendent's Department from April 1, 1920, to March 31, 1921, is respectfully submitted..

PUMPAGE

This year's pumpage has increased over last year's, 53,414,800 gallons, or 176,213 gallons daily.

Our daily average "Pumpage" per capita was 97.18.

Our daily average "Consumption" per capita was 91.04.

COMPARISON OF PUMPAGE

| | Pumpage for year ending March 31, 1921 | Pumpage for year ending March 31, 1920 | Increase | Decrease |
|----------------|--|--|------------|------------|
| | Gallons 1920 | Gallons 1919 | Gallons | Gallons |
| April..... | 319,243,200 | 305,541,000 | 13,702,200 | ..... |
| May..... | 345,631,400 | 334,324,400 | 11,307,000 | ..... |
| June..... | 340,172,200 | 332,786,800 | 7,385,400 | ..... |
| July..... | 384,125,200 | 331,120,500 | 53,004,700 | ..... |
| August..... | 355,210,600 | 318,652,400 | 36,558,200 | ..... |
| September..... | 343,582,800 | 304,317,000 | 39,265,800 | ..... |
| October..... | 344,217,800 | 310,037,700 | 34,180,100 | ..... |
| November..... | 309,660,400 | 291,833,600 | 17,826,800 | ..... |
| December..... | 328,442,800 | 347,051,600 | ..... | 18,608,800 |
| | 1921 | 1920 | | |
| January..... | 349,716,400 | 398,242,400 | ..... | 48,526,000 |
| February..... | 304,465,200 | 358,136,000 | ..... | 53,670,800 |
| March..... | 319,449,000 | 358,458,800 | ..... | 39,009,800 |
| Total..... | 4,043,917,000 | 3,990,502,200 | 53,414,800 | ..... |

**Comparative Total Pumpage During the Past Thirteen Years.
Fiscal Year ends March 31**

| Year | Annual Pumpage | Increase or Decrease | Average Daily Pumpage | Increase or Decrease | Average Daily Pumpage per capita | Estimated Population |
|------|----------------|----------------------|-----------------------|----------------------|----------------------------------|----------------------|
| | Gallons | Gallons | Gallons | Gallons | Gallons | |
| 1909 | 3,692,451,980 | 149,718,360 decrease | 10,116,307 | 381,426 decrease | 101.00 | 100,000 |
| 1910 | 3,678,588,720 | 13,863,260 " | 10,078,325 | 37,982 " | 97.84 | 103,000 |
| 1911 | 3,794,689,680 | 116,100,960 increase | 10,396,410 | 318,085 increase | 99.16 | 104,839 |
| 1912 | 3,868,026,800 | 73,337,120 " | 10,568,380 | 171,970 " | 100.00 | 104,839 |
| 1913 | 3,827,528,600 | 40,498,200 decrease | 10,486,380 | 82,000 decrease | 95.33 | 110,000 |
| 1914 | 3,985,123,900 | 157,595,300 increase | 10,948,142 | 461,762 increase | 95.75 | 112,000 |
| 1915 | 3,434,421,300 | 550,702,600 decrease | 9,409,373 | 1,538,769 decrease | 82.53 | 114,000 |
| 1916 | 3,409,230,800 | 25,190,500 " | 9,314,838 | 94,535 " | 81.70 | 114,000 |
| 1917 | 3,509,464,600 | 100,233,800 increase | 9,614,971 | 300,133 increase | 84.34 | 114,000 |
| 1918 | 3,757,413,400 | 247,948,800 " | 10,294,282 | 679,311 " | 90.30 | 114,000 |
| 1919 | 3,900,317,100 | 142,903,700 " | 10,685,800 | 391,518 " | 93.73 | 114,000 |
| 1920 | 3,990,502,200 | 90,185,100 " | 10,903,011 | 217,211 " | 94.89 | 114,900 |
| 1921 | 4,043,917,000 | 53,414,800 " | 11,079,224 | 176,213 " | 97.18 | 114,000 |

Total Rainfall for Year 1920=1921.

| | Fresh Pond Reservoir | Stony Brook Reservoir | Hobbs Brook Reservoir |
|----------------|----------------------|-----------------------|-----------------------|
| 1920 | Inches | Inches | Inches |
| April..... | 4.91 | 5.63 | 5.02 |
| May..... | 4.02 | 3.40 | 3.20 |
| June..... | 5.90 | 7.00 | 6.82 |
| July..... | 1.49 | 1.75 | 3.09 |
| August..... | 1.01 | 2.15 | 1.23 |
| September..... | 2.70 | 2.55 | 3.69 |
| October..... | 1.02 | 2.37 | 1.16 |
| November..... | 5.38 | 5.88 | 5.27 |
| December..... | 3.68 | 5.03 | 5.59 |
| 1921 | | | |
| January..... | 2.26 | 2.58 | 2.55 |
| February..... | 5.42 | 3.51 | 4.67 |
| March..... | 2.73 | 2.36 | 2.15 |
| Total..... | 40.52 | 44.21 | 44.44 |

Total Rainfall for the Past Thirteen Years.

| | Fresh Pond Reservoir | Stony Brook Reservoir | Hobbs Brook Reservoir |
|-----------|----------------------|-----------------------|-----------------------|
| | Inches | Inches | Inches |
| 1909..... | 30.67 | 34.87 | 34.77 |
| 1910..... | 34.97 | 37.83 | 35.08 |
| 1911..... | 28.86 | 31.78 | 28.26 |
| 1912..... | 35.60 | 42.63 | 39.90 |
| 1913..... | 30.58 | 41.22 | 40.26 |
| 1914..... | 39.24 | 42.13 | 40.71 |
| 1915..... | 31.11 | 34.44 | 33.02 |
| 1916..... | 39.70 | 41.90 | 45.32 |
| 1917..... | 37.45 | 37.11 | 35.88 |
| 1918..... | 38.14 | 38.69 | 34.84 |
| 1919..... | 36.81 | 41.24 | 39.87 |
| 1920..... | 45.20 | 51.33 | 21.37* |
| 1921..... | 40.52 | 44.21 | 44.44 |

*For six months only.

FRESH POND PUMPING STATION

| | RUNNING TIME | | | PUMPAGE | | COAL CONSUMED | | Rainfall | Average Height of Pond | Average Temperature of Water |
|---------------------|--------------|-----------|---------------|---------------|---------------|---------------|---------------|----------|------------------------|------------------------------|
| | Engine No. | Total | Daily Average | Total | Daily Average | Total | Daily Average | | | |
| | | | | | | | | Hours | Hours | Gallons | Gallons | Pounds | Pounds | Inches | Feet | Degrees |
| 1920 | | | | | | | | | | |
| April | 7 | 396.75 | 13.22 | 319,243,200 | 10,641,440 | 456,400 | 15,213 | 4.91 | 16.72 | 40 |
| May | 7 | 426.25 | 13.75 | 345,631,400 | 11,149,400 | 496,800 | 16,026 | 4.02 | 16.49 | 51 |
| June | 7 | 423.50 | 14.12 | 340,172,200 | 11,339,073 | 497,500 | 16,583 | 5.90 | 16.66 | 62 |
| July | 7 | 476.75 | *15.89 | 384,125,200 | †12,804,173 | 554,500 | 17,887 | 1.49 | 16.36 | 71 |
| August | 7 | 440.50 | *14.68 | 355,210,600 | †11,840,353 | 527,500 | 17,016 | 1.01 | 15.18 | 74 |
| September | 7 | 424.75 | 14.16 | 343,582,800 | 11,452,760 | 489,700 | 16,323 | 2.70 | 14.46 | 68 |
| October | 7 | 428.00 | 13.80 | 344,217,800 | 11,103,800 | 482,800 | 15,574 | 1.02 | 14.02 | 61 |
| November | 7 | 384.75 | 12.83 | 309,660,400 | 10,322,013 | 458,800 | 15,293 | 5.38 | 14.49 | 50 |
| December | 7 | 410.75 | 13.25 | 328,442,800 | 10,594,929 | 496,400 | 16,013 | 3.68 | 15.91 | 38 |
| 1921 | | | | | | | | | | |
| January | 7 | 435.75 | 14.05 | 349,716,400 | 11,281,174 | 519,500 | 16,758 | 2.26 | 16.23 | 36 |
| February | 7 | 380.25 | 13.58 | 304,465,200 | 10,873,757 | 451,200 | 16,114 | 5.42 | 16.28 | 35 |
| March | 7 | 397.25 | 12.81 | 319,449,000 | 10,304,806 | 484,700 | 15,635 | 2.73 | 16.67 | 41 |
| Total | | †5,025.25 | | 4,043,917,000 | | 5,915,800 | | 40.52 | | |
| Daily Average . . . | | | 13.81 | | 11,079,224 | | 16,207 | | 15.78 | 53 |

*30 days only.
†No pumpage July 6, 1920–Aug. 31, 1920.
‡363 days.

FRESH POND.

| | | Highest Elevation of Pond | Lowest Elevation of Pond | Average Elevation of Pond | Monthly Rainfall Inches | Pumpage Gallons | Registration of Weir | |
|----------------------------|----|------------------------------------|-----------------------------------|------------------------------------|-----------------------------------|------------------------|----------------------|-------------|
| | | | | | | | Gallons | No. Days |
| 1920 | | | | | | | | |
| April | 1 | 16.93 | | | | | | |
| April | 27 | | 16.55 | 16.72 | 4.91 | 319,243,200 | 217,500,000 | 30 |
| May | 8 | | 16.40 | | | | | |
| May | 27 | 16.57 | | 16.49 | 4.02 | 345,631,400 | 276,750,000 | 31 |
| June | 5 | | 16.43 | | | | | |
| June | 24 | 16.91 | | 16.65 | 5.90 | 340,172,200 | 280,000,000 | 30 |
| July | 8 | | 16.89 | | | | | |
| July | 31 | 15.78 | | 16.36 | 1.49 | 384,125,200 | 294,500,000 | 31 |
| August | 1 | 15.75 | | | | | | |
| August | 31 | | 14.68 | 15.18 | 1.01 | 355,210,600 | 294,500,000 | 31 |
| September | 2 | 14.90 | | | | | | |
| September | 30 | | 14.17 | 14.46 | 2.70 | 343,582,800 | 285,000,000 | 30 |
| October | 1 | 14.24 | | | | | | |
| October | 11 | | 13.90 | 14.02 | 1.02 | 344,217,800 | 328,250,000 | 31 |
| November | 1 | 14.10 | | | | | | |
| November | 30 | | 15.17 | 14.49 | 5.38 | 309,660,400 | 341,250,000 | 30 |
| December | 1 | 15.23 | | | | | | |
| December | 31 | | 16.55 | 15.91 | 3.68 | 328,442,800 | 352,625,000 | 31 |
| 1921 | | | | | | | | |
| January | 3 | | 16.71 | | | | | |
| January | 30 | 15.94 | | 16.23 | 2.26 | 349,716,400 | 124,250,000 | 11 |
| February | 10 | 15.88 | | | | | | |
| February | 28 | | 16.85 | 16.28 | 5.42 | 304,465,200 | 286,250,000 | 26 |
| March | 7 | | 17.23 | | | | | |
| March | 16 | 16.10 | | 16.67 | 2.73 | 319,449,000 | 263,850,000 | 23 |
| Total. . . . | | | | | 40.52 | 4,043,917,000 | 3,344,725,000 | 335 |
| Daily average for 365 days | | | 15.78 | | | 11,079,224 | (9,984,253) | |

| Year Ending March 31 | Pumpage, Gallons | Gallons Delivered in Fresh Pond through Conduit | Overflow at Stony Brook Reservoir |
|-------------------------|---------------------|---|--------------------------------------|
| 1913..... | 3,827,528,600 | 3,124,787,500 | 2,571,200,000 |
| 1914..... | 3,985,123,900 | 3,254,225,000 | 3,022,800,000 |
| 1915..... | 3,434,421,300 | 2,742,500,000 | 3,477,200,000 |
| 1916..... | 3,409,230,800 | 3,461,000,000 | 2,581,900,000 |
| 1917..... | 3,509,464,600 | 3,468,950,000 | 4,091,800,000 |
| 1918..... | 3,757,413,400 | 3,697,250,000 | 2,386,100,000 |
| 1919..... | 3,900,317,100 | 3,999,750,000 | 2,186,400,000 |
| 1920..... | 3,990,502,200 | 3,753,914,000 | 5,502,900,000 |
| 1921..... | 4,043,917,000 | 3,344,725,000 | 5,727,600,000 |

| | Total for Year Gallons | Daily Average |
|--------------------------|---------------------------|---------------|
| Pumpage..... | 4,043,917,000 | 11,079,224 |
| Intake from conduit..... | 3,344,725,000 (335 days) | 9,984,253 |
| Stony Brook Wastage..... | 5,727,600,000 (217 days) | 15,692,054 |

OPERATING EXPENSES AT THE PUMPING STATION

April 1, 1920, to March 31, 1921

A—Personal Service

| | | |
|--------------------------------|-------------|-------------|
| 1. Permanent employes | \$17,937 20 | |
| 2. Transient employes: | | |
| Coal Passing | 1,366 50 | |
| Unloading Coal | 776 01 | |
| Moving Coal | 403 25 | |
| Cleaning boilers | 35 00 | |
| Fireman during vacations | 535 00 | |
| | | \$21,052 96 |

B—Service other than personal

| | | |
|-------------------------------------|----------|------------|
| 2. Postage | \$4 20 | |
| 5. Cartage and Freight | 42 25 | |
| 9. Lighting streets, etc. | 150 47 | |
| 13. Communication | 73 48 | |
| 26. Protective and preventive | 8 82 | |
| 36. Boiler inspection | 10 00 | |
| 39. General Plant | 1,292 83 | |
| | | \$1,582 05 |

C—Equipment

| | | |
|-------------------------------|----------|----------|
| 13. Tools and machinery | \$300 83 | |
| 16. Wearing apparel | 31 90 | |
| 17. General Plant | 395 72 | |
| | | \$728 45 |

D—Supplies

| | | |
|---------------------------|-----------|-------------|
| 1. Office | \$9 16 | |
| 2. Food and Ice | 62 96 | |
| 3. Fuel and Freight | 33,659 56 | |
| 8. Laundry, etc. | 31 85 | |
| 16. General Plant | 2,260 16 | |
| | | \$36,023 69 |
| | | \$59,387 15 |

LEAKAGE

The total number of leaks reported during the year ending March 31, 1921.

| | |
|--|------|
| On service pipes | 154 |
| On main pipes | 24 |
| On hydrants | 6 |
| On gates | 5 |
| On street watering standpipes..... | 4 |
| On fountain | 1 |
| | 194 |
| On premises reported by inspectors | 8566 |
| | 8760 |

Seven (7) of above leaks were caused by electrolysis, located in Kendall Square and vicinity.

We have re-arranged the pipes in this district and hope our leakage will be lessened.

MAIN PIPES.
Extensions and Renewals, Year Ending March 31, 1921.

| | Extensions | | Renewals | | Gates | |
|--|------------|------|----------|------|-------|------|
| | Feet | Size | Feet | Size | Size | Kind |
| | | Ins. | | Ins. | Ins. | |
| Corliss Place from Antrim, west..... | 6017 | 12 | 114½ | 2 | | |
| Concord Avenue from Chilton, west to cross over at Hospital..... | | | | | | |
| Concord Avenue, east line of Chilton..... | | | | | 12 | |
| Concord Avenue, west line of Chilton..... | | | | | 12 | |
| Concord Avenue, west line of Chilton..... | | | | | 6 | |
| Concord Avenue, 35 ft. east from cross-over (F. P. Avenue)..... | | | | | 12 | |
| Concord Avenue, 240 ft. west from cross-over (F. P. Avenue)..... | | | | | 12 | |
| Concord Avenue, 35 ft. west from R. R..... | | | | | 6 | |
| Concord Avenue on cross-over (Prest-o-Lite)..... | | | | | 6 | |
| Concord Avenue, west from Alewife Brook..... | | | | | 6 | |
| Concord Avenue west from Alewife Brook on cross-over..... | | | | | 6 | |
| Concord Avenue at Water Works barn on cross-over..... | | | | | 6 | |
| Concord Avenue west from Smith Place..... | | | | | 6 | |
| Concord Avenue on cross-over (Niles)..... | | | | | 6 | |
| Concord Avenue at Niles, west..... | | | | | 6 | |
| Concord Avenue on tee (capped) east fr. cross-over... | | | | | 6 | |
| Concord Avenue, east from Hospital drive..... | | | | | 6 | |
| Concord Avenue, west from Alewife Brook..... | | | | | 12 | |
| Concord Avenue, east from cross-over (Water Works barn)..... | | | | | 12 | |
| Concord Avenuc, opposite Niles..... | | | | | 12 | |
| Concord Avenue, opposite supply to Hospital..... | | | | | 12 | |
| Concord Avenue from New Street, west..... | | | 484 | 6 | | |
| Cottage Street from Magazine to Pearl..... | | | 468 | 6 | | |
| Fresh Pond Avenue from Concord Avenue on cross-over..... | | | | | 12 | |
| Fresh Pond Avenue at Concord Avenue..... | | | | | 12 | |
| Hamilton Street from Magazine to Pearl..... | | | 492 | 6 | | |
| Lawrence Street from Magazine to Pearl..... | | | 465 | 6 | | |
| Smart Street extension from Mass. Avenue exten.... | 174 | 6 | | | | |

Our large work this year was on Concord Avenue where we extended the 12 in. from Chilton Street, west, to the Hospital grounds—there we crossed over and laid a 6 in. down to connect with the old 6 in. at this location. We also laid a 6 in. from New Street, west, to straighten the 6 in. line on the north side of street.

In Cottage, Hamilton and Lawrence Streets, we renewed the old pipes which were laid in 1868 to 1874.

SUPPLIES

Eighty-seven (87) new supplies have been laid during the year.

Five hundred twenty-one (521) supplies have been renewed.

Thirteen hundred forty-eight (1348) supplies have been cleaned.

SUPPLIES CLEANED

| | |
|----------------------------|-------|
| Year ending March 31, 1912 | 159 |
| " " " " 1913 | 278 |
| " " " " 1914 | 471 |
| " " " " 1915 | 727 |
| " " " " 1916 | 841 |
| " " " " 1917 | 896 |
| " " " " 1918 | 825 |
| " " " " 1919 | 1,158 |
| " " " " 1920 | 1,467 |
| " " " " 1921 | 1,348 |
| Total | 8,170 |

Eighteen (18) large supplies have been laid as follows:

| | | |
|-------------------------------------|--------------------------|--------------|
| Atwood & McManus | 64 Aberdeen Avenue | 6-in. (Fire) |
| Briggs Realty Co. | Ames Street | 4-in. |
| Chauncy Realty Trust | 21 Chauncy Street | 4-in. |
| Filene's Sons Co., W. | Charles River Road | 4-in. |
| Filene's Sons Co., W. | Charles River Road | 6-in. (Fire) |
| Harlow, Clark, Inc. | Craigie Circle | 4-in. |
| Hyde, Abe R. | 432 Columbia Street | 4-in. (Fire) |
| Kingston Knitting Co. | Carleton & Deacon Sts. | 6-in. (Fire) |
| Lever Bros., Inc. | Burleigh Street | 6-in. |
| Little, Brown & Co. | Blackstone Street | 6-in. (Fire) |
| Manhattan Market Co. | 614 Massachusetts Avenue | 6-in. (Fire) |
| National Co. | 120 Brookline Street | 4-in. (Fire) |
| Presto-Lite Co. | Concord Avenue | 6-in. |
| Revere Sugar Refinery | Ninth Street | 6-in. (Fire) |
| Standard Plate Glass Co. | 270 Albany Street | 6-in. (Fire) |
| Suffolk Engraving & Electrotyp. Co. | Main & Carleton Streets | 6-in. (Fire) |
| Suffolk Engraving & Electrotyp. Co. | Main & Carleton Streets | 4-in. |
| Waterhouse Trust | 5 Concord Avenue | 4-in. |

FIRE SUPPLIES

Eight fire supplies have been laid during the year.

The following list contains the number of unmetered (except where specified) fire supplies in commission at this date.

| | | |
|---------------------------------|--------------------------|--------|
| Allen & Endicott Building Co. | 63 Albany Street | 6-in. |
| American Rubber Co. | Binney Street | 6-in. |
| American Rubber Co. | Potter Street | 6-in. |
| American Circular Loom Co. | Clarendon Avenue | 6-in. |
| American Circular Loom Co. | Tannery Street (metered) | 2-in. |
| Ashton Valve Co. | 161 First Street | 6-in. |
| Associated Trust | 888 Massachusetts Avenue | 2-in. |
| Atwood & McManus | 64 Aberdeen Avenue | 6-in. |
| Barber Asphalt Paving Co. | First Street | 6-in. |
| Bell Confectionery Co., J. S. | Sixth Street | 6-in. |
| Blacker & Shepard Co. | Osborn Street (metered) | 1½-in. |
| Blake & Knowles Steam Pump Wks. | Binney Street | 8-in. |
| Blake & Knowles Steam Pump Wks. | Binney Street | 6-in. |
| Blake & Knowles Steam Pump Wks. | Third Street | 4-in. |
| Blanchard Machine Co. | State Street | 6-in. |

| | | |
|--------------------------------------|-----------------------------------|-----------|
| Boston Book Binding Co. | 21 Mt. Auburn Street | 6-in. |
| Boston Book Binding Co. | 21 Mt. Mt. Auburn Street | 4-in. |
| Boston Confectionery Co. | 814 Main Street | 6-in. |
| Boston Confectionery Co. | 29 State Street | 6-in. |
| Boston Elevated Railway Co. | Bennett Street | 4-in. |
| Boston Elevated Railway Co. | Baldwin Street | 4-in. |
| Boston Elevated Railway Co. | Massachusetts Avenue | 4-in. |
| Boston Elevated Railway Co. | Mt. Auburn Street | 2-in. |
| Boston Elevated Railway Co. | Mt. Auburn Street | 4-in. |
| Boston Elevated Railway Co. | Murray Street | 4-in. |
| Boston Elevated Railway Co. | Murray Street | 6-in. |
| Boston Elevated Railway Co. | River Street | 4-in. |
| Boston Elevated Railway Co. | University Road | 8-in. |
| Boston & Maine Railroad | Bridge Street | 6-in. |
| Boston & Maine Railroad | East Street | 6-in. |
| Boston & Maine Railroad—in Yard— | Four Cambridge Hydrants. | |
| Burke, Thos. F. | 881 Massachusetts Avenue | 2-in. |
| Cambridge Electric Light Co. | Western Avenue | 6-in. |
| Cambridge Gas Light Co. | Potter Street | 6-in. |
| Cambridge Gas Light Co. | Third Street | 6-in. |
| Cambridge Gas Light Co. | Second Street | 6-in. |
| Cambridge Mutual Fire Insurance Co. | Mass. Avenue (metered) | 2-in. |
| Carr Fastener Co. | 27 Ames Street | 6-in. |
| Carr Fastener Co. | 31 Ames Street (fire curtain) ... | 6-in. |
| Carr Fastener Co. | 43-5 Amherst Street | 6-in. |
| Carter Ink Co. | First Street (metered) | 4-in. |
| Carter Ink Co. | Athenaeum Street | 6-in. |
| Climax Paper Box Co. | 20-24 Cottage Park Avenue | 4-in. |
| Close, George | Broadway | 6-in. |
| Columbia Jewelry Co. | Camp Street | 6-in. |
| Commonwealth Custom Laundry | 348 Franklin Street (metered) .. | 4-in. |
| Corcoran, John H. | 631-637 Mass. Avenue | 6-in. |
| Corcoran, Joseph F. | 62 Albany Street | 6-in. |
| Davenport, A. H. | Cambridge Street | 6-in. |
| Davenport, A. H. | Otis Street | 6-in. |
| Dodge Motor Vehicle Co. | 29 Landsdowne Street | 6-in. |
| Dover Stamping & Manufacturing Co. | Pleasant Street | 6-in. |
| Dow Co., John C. | 220 Portland Street (metered) ... | 2-in. |
| E. & R. Laundry Co. | Mass. Avenue | 6-in. |
| Elliott Addressing Machine Co. | 147-153 Albany Street | 6-in. |
| Eustis Manufacturing Co., J. P. | 12-16 Ames Street | 6-in. |
| Flash Chemical Co. | Second Street | 6-in. |
| Furbish, Fred B. | 41 Church Street | 4-in. |
| Ginn & Co. | First Street | 6-in. |
| Ginn & Co. | Athenaeum Street | Two 6-in. |
| Goepper Brothers | Ninth Street (metered) | 1½-in. |
| Govern, Anthony | 881 Mass. Ave. (metered) | 2-in. |
| Graham & Company, James J. | Otis Street | 6-in. |
| Gray & Sons, Peter | Third Street | 6-in. |
| Harvard University | "Austin" Hall | 6-in. |
| Harvard University | Harvard Union | 4-in. |
| Harvard University | Jefferson Physical Laboratory .. | 6-in. |
| Harvard University | Langdell Hall | 4-in. |
| Harvard University | Memorial Hall (metered) ... | Two 4-in. |
| Harvard University | Kirkland Street (Radio School) .. | 6-in. |
| Harvard University | Observatory | 6-in. |
| Harvard University | Oxford Street (Drill Hall) | 6-in. |
| Harvard University | Semitic Museum | 4-in. |
| Hasty Pudding Club | Holyoke Street | 4-in. |

| | | |
|---|----------------------------------|-----------|
| Hews Co., A. H. | Richdale Avenue | Two 4-in. |
| Holy Ghost Hospital for Incurables .. | Cambridge Street | 3-in. |
| Houghton, Mifflin Co. | River Street | 6-in. |
| Howe, Estate of Otis | 748 Main Street | 6-in. |
| Hyde, Abe R. | 432 Columbia | 6-in. |
| Irving & Casson | 108 Cambridge Street | 6-in. |
| Irving & Casson | 27 Otis Street | 6-in. |
| Irving & Casson | Otis Street | Two 6-in. |
| Irving & Casson | Thorndike Street | Two 6-in. |
| Irving & Casson | Thorndike Street (metered) | 2-in. |
| Ivers & Pond Piano Co. | Albany Street | 4-in. |
| Ivers & Pond Piano Co. | Main Street | 6-in. |
| Jacobs, David | 37 Osborn Street | 6-in. |
| Kingston Knitting Co. | Carleton and Deacon Streets | 6-in. |
| Ladd & Barker | 11 Windsor Street | 6-in. |
| Lamb & Ritchie | Albany Street | 6-in. |
| Lever Brothers, Ltd., Boston Works, Harvard Street | Harvard Street | 8-in. |
| Lever Brothers, Ltd., Boston Works, Harvard Street | Harvard Street | 6-in. |
| Lever Brothers, Ltd., Boston Works, Broadway | Broadway | 6-in. |
| Lever Brothers, Ltd., Boston Works, Broadway | Broadway | 8-in. |
| Lever Brothers, Ltd., Boston Works, Portland Street | Portland Street | 6-in. |
| Library Bureau | Albany Street | 6-in. |
| Little, Inc., A. D. | Charles River Road | 6-in. |
| Little, Brown & Co. | Putnam Avenue | 6-in. |
| Little, Brown & Co. | Blackstone Street | 6-in. |
| Luke, Estate of E. H. | Main Street | 2-in. |
| Main Street Trust | Amherst Street | 6-in. |
| Main Street Trust | Amherst Street | 6-in. |
| Manufacturers' Bank Bldg. Trust | Main Street | 6-in. |
| Masonic Temple | 1594 Mass. Avenue | 4-in. |
| Mason & Hamlin Co. | Broadway | Two 6-in. |
| McLean, Isaac | Mt. Auburn Street | 4-in. |
| McLean, Isaac | "Brentford Hall" | 4-in. |
| Metropolitan Storage Warehouse Co. Mass. Avenue | Mass. Avenue | 6-in. |
| Middlesex Co., House of Correction, Second and Spring Streets | Second and Spring Streets | 6-in. |
| Monk's Laundry | Norfolk Street | 6-in. |
| Morse, Estate of A. P. | 585 Mass. Avenue | 6-in. |
| National Company | 120 Brookline Street | 4-in. |
| National Biscuit Company | Franklin Street | 4-in. |
| National Biscuit Company | Franklin Street | 6-in. |
| National Biscuit Company | Green Street | 8-in. |
| National Casket Company | 122 First Street | 6-in. |
| National Casket Company | Bent Street | 6-in. |
| Nichols, Annie W. H. | Ames Street | 6-in. |
| North Packing & Provision Co. | Windsor Street | 6-in. |
| Olympia Theatre Co., Inc. | Mass. Avenue | 6-in. |
| Page Box Co., George G. | Hampshire Street | Two 6-in. |
| Payne & Co., F. S. | 75 Richdale Avenue | 6-in. |
| Payne & Co., F. S. | Richdale Avenue | 6-in. |
| Peabody, Jr., et al., Francis | Claverly Hall | 4-in. |
| Petterson, Oscar G. | 183 Main Street | 4-in. |
| Pierce, Trustees of the Estate of Thomas, Broadway | Broadway | 6-in. |
| Pi Eta Club | Winthron Square | 2-in. |
| Poole Piano Co. | Sidney Street | 8-in. |
| Porter, Henry S. | Kinnaird Street (metered) | 4-in. |
| Porter, Henry S. | Kinnaird Street | 6-in. |
| Prest-o-Lite Co. | Concord Avenue | 6-in. |
| Reardon & Sons Corporation, John... Waverly Street (metered) | Waverly Street (metered) | 4-in. |
| Revere Sugar Refinery | Water Street | 6-in. |

| | | |
|--|-------------------------------|--------|
| Revere Sugar Refinery | Ninth Street | 6-in. |
| Reversible Collar Co. | Putnam Avenue | 6-in. |
| Rice & Hutchins, Inc. | Landsdowne Street | 6-in. |
| Riverside Boiler Works | Harvard Street | 4-in. |
| Riverside Boiler Works | Main Street | 6-in. |
| Ross & Co., William F. | 201 Bridge Street | 6-in. |
| Russell, Estate of Joseph G. | 224 Albany Street | 6-in. |
| Russell, Lucy J. | 29 Elm Street (metered) | 1½-in. |
| Sacred Heart Parish | Seventh Street | 4-in. |
| Sawyer & Son, Howard M. | Thorndike Street | 4-in. |
| Sawyer & Son, Howard M. | Spring Street | 6-in. |
| Sawyer & Son, Howard M. | Second Street | 6-in. |
| Scully, Francis P. | First Street | 6-in. |
| Seelye, Francis P. | First Street | 4-in. |
| Sherburne, Estate of Reuben | Third Street | 6-in. |
| Simplex Wire & Cable Company | Auburn Street | 8-in. |
| Simplex Wire & Cable Company | Franklin Street | 6-in. |
| Simplex Wire & Cable Company | Pilgrim Street | 4-in. |
| Simplex Wire & Cable Company | Sidney Street | 6-in. |
| Southwick, Annie E. | 684 Mass. Avenue | 6-in. |
| Speare's Sons & Co., Alden | Binney Street | 4-in. |
| Squire Co., J. P. | Gore Street | 8-in. |
| Standard Oil Co. | Potter Street | 6-in. |
| Standard Plate Glass Co. | 270 Albany Street | 4-in. |
| Standard Turning Works | Main Street | 4-in. |
| Suffolk Engraving & Electrotyping Co. | Main and Carleton | 6-in. |
| Standard Turning Works | Main Street | 4-in. |
| Swan, Daniel A. | 61 Broadway (metered) | 2-in. |
| Thairwell Co., William C. | 15 Tudor Street | 4-in. |
| Thayer & Co., Henry | Broadway | 6-in. |
| Thompson Box Co. | 62 Hampshire Street | 6-in. |
| Thompson Box Co. | 69 Hampshire Street | 4-in. |
| Thorndike School | Spring Street | 4-in. |
| Tower & Son, Sylvester | Broadway | 4-in. |
| University Associates | Bow Street, Garage | 6-in. |
| University Associates | Linden Street | 4-in. |
| University Associates | Mass. Avenue | 6-in. |
| University Associates | Mass. Avenue | 4-in. |
| Ward, Corby Co. | Albany Street | 4-in. |
| Warren Brothers & Co. | Potter Street | 6-in. |
| Youngman, William S. | Amherst Street | 6-in. |

SUPPLIES, ETC., RENEWED DURING THE YEAR

| | 8 Inch | 6 Inch | 4 Inch | 2 Inch | 1½ Inch | 1¼ Inch | 1 Inch | ¾ Inch | Total |
|--|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|--------|
| Length, in feet, of cast iron pipe..... | 7 | 141 | 29 | 24 | | 55 | | | 177 |
| Length, in feet, of galvanized pipe..... | | | 6 | 202 | 339 | 1,001 | 3,103 | 9,690 | 85 |
| Length, in feet, of lead lined pipe..... | | | | | | | | | 14,335 |
| Total length, in feet, of pipe..... | 7 | 141 | 35 | 226 | 339 | 1,056 | 3,103 | 9,690 | 14,597 |
| Supplies renewed with cast iron pipe..... | | | 1 | | | 1 | | | 1 |
| Supplies renewed with galvanized pipe..... | | | | 6 | 10 | 34 | 101 | 368 | 1 |
| Supplies renewed with lead lined pipe..... | | | | | | | | | 519 |
| Total number of supplies renewed..... | | | 1 | 6 | 10 | 35 | 101 | 368 | 521 |
| Number of drip valves..... | | | | 5 | 4 | 12 | 30 | 59 | 111 |
| Number of corporation cocks..... | | | 1 | | 2 | 16 | 17 | 37 | 72 |
| Number of sidewalk cocks..... | | | | 1 | | 14 | 31 | 33 | 79 |
| Number of service boxes..... | | | | | | | | | 57 |
| Number of gate boxes..... | | | | | | | | | 32 |
| Number of wooden boxes..... | | 13 | | | | | | | 3 |
| Number of gates..... | | | 1 | | | | | | 14 |

NEW SUPPLIES LAID DURING YEAR

| | 6 Inch | 4 Inch | 2 Inch | 1 ½ Inch | 1 ¼ Inch | 1 Inch | ¾ Inch | Total |
|--|-----------|-----------|-----------|-------------|-------------|-----------|-----------|-------|
| Length in feet of cast iron pipe..... | 553 | 252 | | 4 | | | | 805 |
| Length in feet of galvanized pipe..... | 15 | 28 | 509 | 254 | 74 | 958 | 1,056 | 47 |
| Length in feet of lead lined pipe..... | | | | | | | | 2,851 |
| Total length in feet..... | 568 | 280 | 509 | 258 | 74 | 958 | 1,056 | 3,703 |
| Number of supplies, cast iron..... | 11 | 6 | 13 | 5 | 5 | 15 | 32 | 17 |
| Number of supplies, lead lined..... | | | | | | | | 70 |
| Total number of supplies..... | 11 | 6 | 13 | 5 | 5 | 15 | 32 | 87 |
| Number of valves..... | | | | | | | | 72 |
| Number of corporation cocks..... | | 2 | 11 | 6 | 6 | 15 | 32 | 62 |
| Number of curb cocks..... | | | | 5 | 13 | 14 | 30 | 45 |
| Number of Service boxes..... | | | | | 3 | 14 | 28 | 47 |
| Number of gates..... | 11 | 7 | 6 | | | | | 24 |
| Number of gate boxes..... | | | | | | | | 39 |

Supplies Laid During Past Twenty Years.

| YEAR | New Supplies | SUPPLIES RENEWED | | | Total Supplies | Supplies fur- nished with sidewalk ser- vice boxes |
|------------|-----------------|-------------------------------|-----------------------------------|------------------------------|-------------------|---|
| | | Application and Leakage | Attending Main Pipe Renewal | Total Supplies Renewed | | |
| 1902..... | 161 | 110 | 167 | 277 | 438 | 51 |
| 1903..... | 123 | 174 | 163 | 337 | 460 | 42 |
| 1904..... | 111 | 190 | 87 | 277 | 388 | 39 |
| 1905..... | 130 | 176 | 117 | 293 | 423 | 177 |
| 1906..... | 129 | 230 | 15 | 245 | 374 | 113 |
| 1907..... | 135 | 197 | 18 | 215 | 350 | 19 |
| *1908..... | 110 | 267 | 24 | 291 | 401 | 116 |
| †1909..... | 29 | 28 | ... | 28 | 57 | 12 |
| ‡1910..... | 156 | 332 | 56 | 388 | 544 | 144 |
| ‡1911..... | 184 | 352 | 79 | 431 | 615 | 131 |
| ‡1912..... | 229 | 403 | 37 | 440 | 669 | 202 |
| ‡1913..... | 289 | 485 | 56 | 541 | 830 | 55 |
| ‡1914..... | 201 | 663 | 29 | 692 | 893 | 81 |
| ‡1915..... | 154 | 437 | 149 | 586 | 740 | 83 |
| ‡1916..... | 175 | 615 | 122 | 737 | 912 | 24 |
| ‡1917..... | 178 | 699 | 95 | 794 | 972 | 67 |
| ‡1918..... | 126 | 582 | ... | 582 | 708 | 30 |
| ‡1919..... | 58 | 637 | ... | 637 | 695 | 61 |
| ‡1920..... | 102 | 692 | ... | 692 | 794 | 72 |
| ‡1921..... | 87 | 521 | ... | 521 | 608 | 57 |

*For year ending November 30, 1908.
†For four months ending March 31, 1909.
‡For year ending March 31.

Comparative Trenching for the Past Sixteen Years.

| | MAIN PIPE | | | | SUPPLIES | | TOTAL | |
|-----------|----------------|---------------|----------------|---------------|----------|---------------|---------|-------|
| | Exten- sion | Re- newals | Subway Changes | | New | Re- newals | Feet | Miles |
| | | | New | Re- newals | | | | |
| 1906..... | 7,443 | 1,357 | .... | .... | 4,835 | 8,716 | 22,351 | 4.23 |
| 1907..... | 4,377 | 1,964 | .... | .... | 5,433 | 6,461 | 18,235 | 3.45 |
| 1908..... | 2,877 | 918 | .... | .... | 5,730 | 8,361 | 17,886 | 3.38 |
| 1909..... | 3,068½ | 918 | .... | .... | 6,674½ | 9,312½ | 19,973½ | 3.80 |
| 1910..... | 5,361½ | 2,952 | 777 | 6,071 | 6,090 | 11,548 | 32,799½ | 6.21 |
| 1911..... | 4,092 | 519 | 2,616 | 4,060 | 6,541½ | 13,032 | 30,860½ | 5.84 |
| 1912..... | 5,813 | 2,424 | 2,033 | 3,995 | 9,476 | 13,403 | 37,144 | 7.03 |
| 1913..... | 16,459 | 6,284 | 50 | 355 | 11,988½ | 16,325 | 51,461½ | 9.74 |
| 1914..... | 11,000 | 4,154 | .... | .... | 8,175½ | 19,882½ | 43,212 | 8.18 |
| 1915..... | 7,273½ | 6,290½ | .... | .... | 6,894½ | 17,804½ | 38,263 | 7.24 |
| 1916..... | 5,368 | 5,360 | .... | .... | 6,109 | 18,293 | 35,130 | 6.65 |
| 1917..... | 11,553 | 3,417 | .... | .... | 6,733 | 20,887 | 42,290 | 8.01 |
| 1918..... | 3,087 | 2,907 | .... | .... | 4,732 | 17,385 | 28,111 | 5.32 |
| 1919..... | 2,694 | 1,779 | .... | .... | 1,891 | 19,829 | 26,193 | 4.96 |
| 1920..... | 3,336 | 1,387 | .... | .... | 3,229 | 19,637 | 27,589 | 5.22 |
| 1921..... | 6,191 | 2,023 | .... | .... | 3,703 | 14,597 | 26,514 | 5.02 |

Fiscal year ends March 31.

FOUNTAINS

There are twenty-nine (29) fountains in use in the city.

The nine (9) ice water fountains as tabled, the eleven (11) fountains equipped with faucets only, as required by the Board of Animal Industry and the small drinking fountains of which there are eight (8) in use.

Those equipped with faucets only are as follows:

- Brattle Square ("Gould")
- Craigie Square
- Kelley Square
- Kendall Square
- Massachusetts Avenue at Porter Square
- Massachusetts Avenue at Tannery Street
- Massachusetts Avenue at Washburn Avenue
- Mt. Auburn Street, opposite Coolidge Avenue ("Jenks" for horse)
- Norton Square
- Putnam Avenue
- Wyeth Square

The following drinking fountains are in use:

- Baldwin Street at Cambridge Street ("Jones" bubble)
- Broadway at Norfolk Street ("Jones" bubble)
- Charles River Road, East side Mass. Ave., opp. M. I. Technology (bubble)
- Two (2) Fresh Pond Driveway ("Jenks" bubble)
- McNamee Square ("Jones" bubble)
- Mt. Auburn Street in Parkway ("Jones" bubble)
- Tech Street ("Jenks" bubble)
- Western Avenue ("Mill Pond Playground") ("Jenks" bubble)

ICE WATER DRINKING FOUNTAINS

The Cost of Furnishing Fountains with Ice During the Summer Months for the Past Seventeen Years.

| Year | LOCATION | | | | | | | | | COST | |
|------|-----------------|----------------------------------|----------------|----------------|----------------|-------------------------|---------------------------|---------------|--------------|---------------------|-----------------------------------|
| | Cambridge Field | Cambridge Street at Third Street | Central Square | Harvard Square | Kendall Square | Mass. Ave. at Blake St. | Mass. Ave. at Cameron St. | Putnam Square | Rindge Field | Total Cost per Year | Average Cost per Day per Fountain |
| 1904 | ... | \$145.50 | \$112.50 | \$105.60 | ... | \$ 96.75 | ... | .. | ... | \$460.35 | \$1.20 |
| 1905 | ... | 125.55 | 129.90 | 103.43 | ... | 155.30 | ... | .. | ... | 514.18 | .94 |
| 1906 | ... | 180.95 | 175.35 | 166.69 | ... | 157.25 | \$115.40 | .. | ... | 795.64 | 1.57 |
| 1907 | \$102.37 | 110.50 | 127.13 | 110.50 | ... | 102.74 | 102.25 | .. | ... | 655.49 | 1.09 |
| 1908 | 89.49 | 127.00 | 134.38 | 127.87 | ... | 111.50 | 115.75 | .. | ... | 705.99 | 1.04 |
| 1909 | 121.05 | 185.68 | 124.50 | 122.70 | ... | 141.60 | 127.95 | .. | ... | 823.48 | 1.15 |
| 1910 | 134.10 | 149.70 | ... | 134.55 | ... | 140.25 | 154.05 | .. | ... | 712.65 | 1.24 |
| 1911 | 123.60 | 167.65 | ... | 127.20 | ... | 146.70 | 169.05 | .. | ... | 734.20 | 1.34 |
| 1912 | 120.30 | 134.85 | 108.15 | 120.75 | ... | 139.95 | 165.00 | .. | \$129.75 | 918.75 | 1.25 |
| 1913 | 135.82 | 174.19 | 175.22 | 138.02 | ... | 119.22 | 116.33 | .. | 112.01 | 970.81 | .97 |
| 1914 | 113.77 | 149.57 | 152.88 | 113.78 | ... | 64.82 | 74.45 | .. | 78.41 | 747.68 | .78 |
| 1915 | 89.67 | 120.41 | 109.80 | 83.49 | ... | 77.09 | 84.44 | \$65.85 | 89.08 | 719.83 | .79 |
| 1916 | 63.21 | 118.87 | 116.43 | 87.31 | ... | 49.24 | 62.62 | 63.49 | 62.47 | 623.64 | .74 |
| 1917 | 62.85 | 136.49 | 133.56 | 101.10 | ... | 83.47 | 82.24 | 83.47 | 83.47 | 766.65 | 1.37 |
| 1918 | 110.45 | 216.52 | 183.35 | 152.29 | 110.45 | 110.45 | 99.88 | 122.10 | 110.45 | 1,216.04 | 1.57 |
| 1919 | 98.00 | 207.51 | 156.40 | 130.34 | 97.21 | 98.00 | 98.00 | 102.71 | 98.00 | 1,086.17 | 1.68 |
| 1920 | 97.22 | 192.47 | 155.23 | 125.44 | 97.21 | 97.21 | 97.21 | 103.49 | 97.21 | 1,062.69 | 1.82 |

HYDRANTS

| | Removed | Installed |
|--|---------|-----------|
| Antrim Street, opp. No. 112..... | Boston | Chapman |
| Bridge St., opp. No. 24..... | Boston | Chapman |
| Cambridge at Dana St..... | Chapman | Chapman |
| Concord Avenue and Parker St..... | Chapman | Chapman |
| Concord Ave., off 12" Main—31 ft. east from last cross-over at Hospital..... | | Chapman |
| Concord Ave. and Parker St., off 12" Main—586 ft. east from last cross-over at Hospital..... | | Chapman |
| Concord Avenue, off 12" 483 ft. east from cross-over at Niles..... | | Chapman |
| Concord Avenue, off 12" 188 ft. east from cross-over at barn..... | | Chapman |
| Concord Avenue off 12" 404 ft. east from 12" gate..... | | Chapman |
| Concord Avenue off 12" 90 ft. west from 6" cross-over..... | | Chapman |
| Concord Avenue, off 12" 410 ft. east from 6" cross-over..... | | Chapman |
| Concord Avenue off 12" 246 ft. east from Alewife Brook..... | | Chapman |
| Concord Avenue off 12" 389 ft. east from cross-over at Prest-o-lite.... | | Chapman |
| Concord Avenue off 6" east from 4"..... | | Chapman |
| Eaton at Pine Street..... | Perkins | Chapman |
| First at Otis Street..... | Boston | Chapman |
| Green at Pleasant Street..... | Boston | Chapman |
| Harvard at Clark Street..... | Chapman | Chapman |
| Pearl at Green Street..... | Boston | Chapman |
| Portland at Hastings Street..... | Chapman | Chapman |
| Potter Street..... | Boston | Chapman |
| Putnam Avenue at Kenwood Street..... | Boston | Chapman |
| River Street at Putnam Avenue..... | Holyoke | Holyoke |
| Second Street at Cambridge Street..... | Corey | Chapman |
| Waterhouse Street, opp. Concord Avenue..... | Boston | Chapman |

HYDRANTS IN USE MARCH 31, 1921.

| | |
|--------------|-----|
| Boston..... | 109 |
| Chapman..... | 696 |
| Coffin..... | 41 |
| Corey..... | 32 |
| Flush..... | 3 |
| Holyoke..... | 167 |
| Kennedy..... | 87 |
| Mathews..... | 13 |
| Perkins..... | 83 |

Total.....1231

HYDRANTS WHICH HAVE BEEN EQUIPPED WITH GATES

| | |
|---|--------------|
| Albany Street, at No. 270 | Wood |
| Antrim Street, at No. 112 | Chapman |
| First Street, at Hurley Street | Smith |
| First Street, at Otis Street | Wood |
| First Street, at Spring Street | Wood |
| First Street, at Thorndike Street | Wood |
| Main Street, at Charles River Road | Wood |
| Massachusetts Avenue, at Charles River Road | Smith |
| Massachusetts Avenue, at No. 94 | Pratt & Cady |
| Massachusetts Avenue, opposite Wellesley Avenue | Chapman |
| Massachusetts Avenue, near Vassar Street | Chapman |
| Ninth Street, at Thorndike Street | Wood |
| Pearl Street, corner Green Street | Wood |
| Potter Street | Wood |
| Prospect Street, corner Carlisle Street | Kennedy |
| Putnam Avenue, at Kenwood Street | Kennedy |
| River Street and Putnam Avenue | Wood |
| Washington Street, at Moore Street | Wood |

METERS.

| | 6 Inch | 4 Inch | 3 Inch | 2 Inch | 1½ Inch | 1¼ Inch | 1 Inch | ¾ Inch | ⅝ Inch | Total |
|-------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-------|
| Artic..... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| Crest..... | ... | 2 | 1 | 6 | 2 | ... | ... | ... | ... | 11 |
| Crown..... | ... | 1 | 1 | 1 | 2 | ... | 2 | 5 | 4 | 16 |
| Empire..... | ... | 1 | 1 | ... | ... | ... | 1 | ... | ... | 3 |
| Gem..... | 1 | 10 | ... | ... | ... | ... | ... | ... | ... | 11 |
| Hersey..... | 2 | 2 | 11 | 47 | 15 | 3 | 111 | 262 | 750 | 1,203 |
| Keystone..... | ... | 2 | ... | ... | ... | ... | 36 | 122 | 371 | 531 |
| King..... | ... | ... | ... | ... | ... | ... | ... | 1 | 3 | 4 |
| Lambert..... | ... | ... | ... | ... | ... | ... | 5 | 23 | 105 | 133 |
| Nash..... | ... | ... | ... | ... | ... | ... | ... | 8 | 4 | 12 |
| Thomson..... | ... | ... | ... | ... | ... | ... | ... | 3 | ... | 3 |
| Torrent..... | ... | ... | ... | 5 | ... | ... | ... | ... | ... | 5 |
| Trident..... | ... | ... | 1 | 14 | 14 | 4 | 110 | 253 | 491 | 887 |
| Union Rotary..... | ... | 2 | 4 | 7 | 3 | ... | 1 | 6 | 2 | 25 |
| Watch Dog..... | ... | ... | ... | ... | ... | ... | ... | 1 | 33 | 34 |
| Worthington..... | ... | 12 | 33 | 111 | 96 | 91 | 235 | 751 | 2,554 | 3,883 |
| | 3 | 32 | 52 | 191 | 132 | 98 | 501 | 1,435 | 4,318 | 6,762 |

Meters on School Houses, Public Buildings, etc.

| | 6 Inch | 4 Inch | 3 Inch | 2 Inch | 1½ Inch | 1¼ Inch | 1 Inch | ¾ Inch | ⅝ Inch | Total |
|-------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-------|
| Crown..... | ... | ... | ... | 2 | 1 | ... | 1 | 1 | 1 | 6 |
| Hersey..... | ... | ... | 1 | ... | 1 | ... | 7 | 5 | 1 | 15 |
| Keystone..... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| King..... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| Prident..... | ... | ... | ... | ... | ... | ... | 8 | 1 | 2 | 11 |
| Torrent..... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 |
| Union Rotary..... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | 2 |
| Worthington..... | 1 | 2 | 2 | 3 | 10 | 3 | 6 | 3 | 3 | 33 |
| | 1 | 2 | 3 | 8 | 12 | 3 | 22 | 11 | 8 | 70 |

Meters on Fire Supplies.

| | 8 Inch | 6 Inch | 4 Inch | 3 Inch | Total |
|--------------------------|-----------|-----------|-----------|-----------|-------|
| Hersey "Detector"..... | 3 | 37 | 8 | 5 | 53 |
| Neptune "Protectus"..... | 1 | 6 | ... | ... | 7 |
| Total..... | 4 | 43 | 8 | 5 | 60 |

Total number of supplies in use March 31, 1921, 6,892

FIRE SUPPLY METERS

We have set three (3) meters during the year on fire supplies.
There are now fifty-nine (59) of these meters in use.

They are located as follows:

| | |
|--|----------------------|
| Allen & Endicott Building Company, Main Street | 6-inch on new supply |
| Allen & Endicott Building Company, Osborne Street.... | 6-inch on new supply |
| American Net & Twine Company, Second Street | 6-inch on old supply |
| American Net & Twine Company, Third Street | 6-inch on old supply |
| Atwood & McManus, 64 Aberdeen Avenue | 6-inch on new supply |
| Baker, Brownrigg K., Osborne Street (premises) | 6-inch on new supply |
| Barbour Stockwell Company, Broadway (premises) | 6-inch on new supply |
| Blacker & Shepard Company, 80 State St. (premises).. | 4-inch on new supply |
| Blake & Knowles Steam Pump Works, Binney and Fifth Streets (premises) | 6-inch on new supply |
| Brigham Company, C., Albany Street | 6-inch on new supply |
| Briggs, C. A., 418 Main Street | 6-inch on new supply |
| Brownrigg, K. Baker, Osborne Street (premises) | 6-inch on new supply |
| Boston Woven Hose & Rubber Co., Hampshire St. | 6-inch on old supply |
| Boston Woven Hose & Rubber Co., Portland St. | 6-inch on old supply |
| Cambridge Paper Box Company, Broadway | 6-inch on old supply |
| Carr Fastener Company, Ames Street | 6-inch on new supply |
| Charlsam Real Estate Company, 100 Main Street (premises) | 6-inch on new supply |
| Davis, F. H., 175 Richdale Avenue | 6-inch on new supply |
| Dyar Supply Company, Broadway | 4-inch on new supply |
| Filene's Sons Company, W., Charles River Road | 6-inch on new supply |
| Ford Motor Company, Brookline Street (premises) | 6-inch on new supply |
| Gray & Davis, Inc., Amesbury Street (premises) | 8-inch on new supply |
| Hammett & Company, J. L., Main and Hayward Sts. (premises) | 6-inch on new supply |
| Hathaway & Sons, C. F., 15 Richdale Avenue | 4-inch on new supply |
| Hathaway & Sons, C. F., 15 Richdale Avenue | 4-inch on old supply |
| Harvard University, Divinity Avenue (premises) | 6-inch on new supply |
| Harvard University, Oxford Street (premises) | 6-inch on new supply |
| Harvard University, Widener Library (premises) | 3 inch on new supply |
| Hingham Knit Goods Company, Banks St. (premises).. | 4-inch on new supply |
| Houghton, H. O. (Riverside Press), 20 Blackstone St.... | 6-inch on old supply |
| Kemp & Sons, Lysander, Broadway (premises) | 6-inch on new supply |
| Ladd & Barker, 31 Ames Street | 6-inch on old supply |
| Ladd & Barker, Amherst Street (premises) | 6-inch on new supply |
| Lankofsky, Baila, 329 Elm Street | 4-inch on new supply |
| Mass. Institute of Technology, Ames & Amherst Sts. ... | 6-inch on new supply |
| Mass. Institute of Technology, 75 Massachusetts Ave.... | 8-inch on new supply |
| Mass. Institute of Technology, Vassar Street | 8-inch on new supply |
| Lonergan, Adeline J., Massachusetts Avenue | 3-inch on new supply |
| McGoldrick, H. E., 339 Franklin Street | 3-inch on new supply |
| Morey & Company, Commercial Avenue (premises) ... | 6-inch on new supply |
| Murray & Emery, Wadsworth Street | 6-inch on new supply |
| New England Tel. & Tel. Co., 51 Inman Street | 3-inch on new supply |
| Page & Shaw, 18-20 Ames Street (premises) | 6-inch on old supply |
| Penn Metal Company, 112-114 Sidney St. (premises) ... | 6-inch on new supply |
| Promboin & Son, L., 449 Windsor Street (premises) ... | 6-inch on new supply |
| Purity Distilling Co., Distillhouse St. (premises) | 6-inch on new supply |
| Putney, Henry M., 541 Windsor Street | 6-inch on new supply |
| Réardon & Sons' Corporation, John, Waverly St. | 8-inch on new supply |

| | |
|---|----------------------|
| Revere Sugar Refinery, Ninth Street | 6-inch on new supply |
| Riverside Boiler Works, 493 Main Street (premises) ... | 6-inch on new supply |
| Russell & Company, Norfolk Street | 6-inch on new supply |
| Squirrel Brand Nut Company, 10-12 Boardman St. | 4-inch on new supply |
| Standard Oil Company, Sixth Street | 4-inch on old supply |
| Standard Oil Company, Fifth & Potter Sts. (premises) .. | 3-inch on new supply |
| Sterling Knit Goods Company, Stiles Street | 6-inch on old supply |
| University Press, Nutting Place | 6-inch on old supply |
| University Press, University Road | 6-inch on new supply |
| Ward Baking Company, Albany Street | 6-inch on old supply |
| Wheelock Lovejoy Company, Sidney Street | 6-inch on new supply |

STONY BROOK OVERFLOW

| | Gallons | Number of Days | Rainfall |
|--|---------------|----------------|----------|
| 1920 | | | |
| April..... | 1,606,900,000 | 30 | 5.63 |
| May..... | 940,200,000 | 31 | 3.40 |
| June..... | 972,400,000 | 30 | 7.00 |
| July..... | 169,100,000 | 20 | 1.75 |
| August..... | ..... | ..... | 2.15 |
| September..... | ..... | ..... | 2.55 |
| October..... | ..... | ..... | 2.37 |
| November..... | 19,700,000 | 3 | 5.88 |
| December..... | 457,100,000 | 31 | 5.03 |
| 1921 | | | |
| January..... | 466,500,000 | 25 | 2.58 |
| February..... | 88,900,000 | 16 | 3.51 |
| March..... | 1,006,800,000 | 31 | 2.36 |
| Total amount wasted..... | 5,727,600,000 | ..... | ..... |
| Daily average wasted..... | 15,692,054 | ..... | ..... |
| No. of days in which water wasted..... | ..... | 217 | ..... |
| Total rainfall..... | ..... | ..... | 44.21 |

Stony Brook Overflow, Etc., for the Past Thirty-four (34) Years.

| | Gallons | No. of Days | Rainfall |
|------------|---------------|-------------|----------|
| 1888..... | 6,000,000,000 | ... | .... |
| 1889..... | 8,000,000,000 | ... | .... |
| 1890..... | 8,700,000,000 | ... | .... |
| 1891..... | 8,247,800,000 | ... | 45.25 |
| 1892..... | 3,688,900,000 | ... | 39.82 |
| 1893..... | 4,427,400,000 | ... | 39.50 |
| 1894..... | 2,853,000,000 | ... | 35.79 |
| 1895..... | 5,281,900,000 | 224 | 50.52 |
| 1896..... | 5,704,700,000 | 224 | 50.52 |
| 1897..... | 3,999,700,000 | 256 | 43.35 |
| 1898..... | 5,704,600,000 | 260 | 54.03 |
| 1899..... | 6,969,500,000 | 175 | 43.96 |
| 1900..... | 4,447,100,000 | 145 | 51.34 |
| 1901..... | 6,141,300,000 | 157 | 46.77 |
| 1902..... | 6,359,100,000 | 182 | 44.58 |
| 1903..... | 6,437,500,000 | 222 | 45.97 |
| 1904..... | 5,726,399,000 | 171 | 41.18 |
| 1905..... | 3,148,900,000 | 140 | 38.40 |
| 1906..... | 3,510,700,000 | 170 | 39.16 |
| 1907..... | 2,415,900,000 | 147 | 42.32 |
| *1908..... | 3,384,300,000 | 184 { | 48.23 |
| †1909..... | 960,800,000 | 50 } | |
| †1910..... | 2,531,500,000 | 137 | 37.83 |
| †1911..... | 57,200,000 | 22 | 31.78 |
| †1912..... | 1,395,200,000 | 69 | 42.63 |
| †1913..... | 2,571,200,000 | 132 | 41.22 |
| †1914..... | 3,022,800,000 | 99 | 42.13 |
| †1915..... | 3,477,200,000 | 111 | 34.44 |
| †1916..... | 2,581,900,000 | 136 | 41.90 |
| †1917..... | 4,091,800,000 | 141 | 37.11 |
| †1918..... | 2,386,100,000 | 136 | 38.69 |
| †1919..... | 2,186,400,000 | 111 | 41.24 |
| †1920..... | 5,502,900,000 | 173 | 51.33 |
| †1921..... | 5,727,600,000 | 217 | 44.21 |

*Previous to 1908—Fiscal year ended November 30.
†Overflow from December 1, 1908 to March 31, 1909.
Fiscal year ended March 31.

MISCELLANEOUS PUMPING STATION

The Leavitt engine has been in commission during the entire year and has pumped all water.

The daily average pumping time was 13.84 hours.

The average height of the pond was 15.84 feet.

We are still using very satisfactorily our Wallace Tiernan Company chlorinator and shall do so until our Filtration plant is completed.

The installation of the Payne Dean electric controls has been a great factor in the working of our three large gates which we had equipped this year.

The value of these electric devices is so great that I hope that the Board will consider placing them on our other large gates so soon as possible.

PIPE YARD

Much attention has been given to our pipe yard during the year. We are continually trying to improve this yard; this year the sanitary conditions have been reconstructed and shower baths have been built for the use of the men. The dwelling house has been painted. The stable will need new stalls, etc., during the coming year.

We have purchased a new Henderson truck and a new Ford touring car.

RESERVOIRS

The average elevation of Fresh Pond has been .58 lower than last year, i.e. 15.84.

Stony Brook elevations registered from highest, 82.04, April 31, 1920, to lowest, 72.82, on August 26, 1920.

During the coming year we intend to reconstruct the dam adding flash boards that will afford an additional storage of the water which now wastes over the spill way into the Charles River.

This wastage during the year was 5,727,600,000 gallons or 15,692,000 gallons per day, which is more than our present consumption.

It is our intention to add flash boards to Hobbs Brook dams to increase our storage capacity in these reservoirs.

The elevation of these reservoirs varied from highest, 181.70, April 2, 1920, to lowest, 176.96, on November 15, 1920.

We have lost by death during the year, two of our inspectors who have been with us several years.

In August, 1920, the Department was shocked by the sudden death of James L. McCarthy, who passed away while bathing at Nantasket. He was apparently in good health.

Francis R. Feeney passed away in January, 1921. He had been ill many months and had been given leave of absence in May, 1919, in order to restore his health, and whereas he had been ill for a long period the Department felt he might be restored to health.

The Water Department places on record its appreciative recognition of their long and faithful services.

SUMMARY OF STATISTICS

In form recommended by the New England Water Works Association.

CAMBRIDGE WATER WORKS

Cambridge, Middlesex County, Massachusetts.

GENERAL STATISTICS

Population by census 1920, 109,546.

Estimated population March 31, 1921, 114,900.

"Cambridge Water Works Corporation" was chartered in 1852 and organized in 1853.

The works were constructed in 1855, Mr. John Blake, consulting engineer, and came into possession of the city by purchase in 1865, when they were called "Cambridge Water Works."

The original source of supply was Fresh Pond in Cambridge and Belmont, which was enlarged by connection via conduit with Wellington Brook and Spy Pond, Arlington. The waters of these additional sources were adjudged unfit for domestic use in 1880 and since that time have not been utilized for a supply in Cambridge.

In 1887, Fresh Pond was augmented by a storage reservoir which had been constructed on Stony Brook, located in Weston and Waltham.

The waters from this brook are brought to Fresh Pond by a conduit, originally a thirty-inch cast iron pipe, which was laid through Waltham and Watertown to Fresh Pond Reservoir.

This extension of the works was made under the direction of Mr. Henry N. Crafts, as consulting engineer, and our City Engineer, Mr. W. S. Barbour.

The population of the city was about 60,000 in 1887.

In 1897, an additional provision was made for storing water by the construction of two large reservoirs artificially formed by constructing two dams across Hobbs Brook, which is a tributary of Stony Brook, and flows through Lexington and Lincoln.

Payson Park Distributing Reservoir also was completed in 1897.

Consulting engineers, Mr. A. Fteley and Messrs. Rice and Evans, and our City Engineer, Mr. L. M. Hastings, directed the construction of these reservoirs.

The population was about 87,500 in 1897.

In 1905 and 1906, two sections of the Stony Brook pipe line were rebuilt; the new conduit was made of concrete, sixty-three inches in diameter. Another part was rebuilt in 1908, when a new thirty-inch main of cast iron was laid to replace 1,500 feet of old thirty-inch line.

The consulting engineer for the concrete conduit was Mr. Freeman C. Coffin, assisted by our City Engineer, Mr. L. M. Hastings.

The new thirty-inch main was laid under the supervision of the Water Works Superintendent, Mr. E. C. Brooks.

The conduit is constructed as follows:

From Fresh Pond to River Street, Waltham, 27,405 feet of 63-inch concrete.

From River Street to Stony Brook Dam, 1,500 feet of 30-inch (new); 6,023 feet of 30-inch (old); 4,826 feet of 36-inch (old).

Mode of supply: gravity from Hobbs Brook and Stony Brook storage reservoirs to Fresh Pond receiving reservoir; pumping from Fresh Pond receiving reservoir to Payson Park distributing reservoir, through the 40-inch steel pumping main; thence, by gravity, to consumers through the 40-inch steel distributing main. The Leavitt engine, of 20,000,000 gallons capacity, is connected with this steel main.

In case of necessity the water can be pumped direct from the pumping station through the 30-inch and 24-inch cast iron pumping mains into the 40-inch steel distributing main. The Worthington engines are used in connection with these mains and are held in reserve for any possible emergency.

STATISTICS RELATING TO DISTRIBUTING SYSTEM

Our 40-inch pumping main to and distributing main from Payson Park Distributing Reservoir is of steel.

The main pipes are of cast iron.

Sizes, 4-inch to 40-inch.

Extensions during the year, 6,191 feet.

Renewals during the year, 2,023 feet.

Total now in use:

| | |
|---------------|--------------|
| 4-inch | 73,655 feet |
| 6-inch | 357,425 feet |
| 8-inch | 87,359 feet |
| 10-inch | 32,634 feet |
| 12-inch | 87,679 feet |
| 16-inch | 11,605 feet |
| 20-inch | 25,275 feet |
| 24-inch | 15,367 feet |
| 30-inch | 1,357 feet |
| 40-inch | 550 feet |

692,906 feet

or 131.23 miles

Forty-inch steel main, 23,316 feet or 4.41 miles.

Number of leaks per mile, on mains and supplies, for the year, 1.4.

Length of 2-inch and 3-inch mains, 1.87 miles.

Number of hydrants added during year (public), 10.

Total number of hydrants now in use, 1,231.

Number of stop gates added during the year, 24.

Range of pressure on mains, 55 to 60 pounds.

SERVICES

Kind of pipe; galvanized iron, cast iron, tin lined, lead lined.

Extended during the year, 3,703 feet.

Sizes, $\frac{3}{4}$ -inch to 8-inch.

Number of services added during the year, 87.

| | |
|-----------------------------|----|
| $\frac{3}{4}$ -inch | 32 |
| 1-inch | 15 |
| 1 $\frac{1}{4}$ -inch | 5 |
| 1 $\frac{1}{2}$ -inch | 5 |
| 2-inch | 13 |
| 4-inch | 6 |
| 6-inch | 11 |

Total 87

Number laid to date, 17,275.

Number in use at date, 14,889.

Average length of services for past year, 42 $\frac{1}{2}$ feet.

Average cost per year (includes large supplies), \$91.63.

Number of meters added during the year, 292.

Percentage of services (in use) metered, 46.

PUMPING STATISTICS

1. Builders of pumping machinery: One Leavitt engine of 20,000,000 gallons capacity per 24 hours, built by Goshen High Duty Pumping Engine Company. Two Worthington Compound Duplex engines, of 5,000,000 gallons capacity each per 24 hours. Total capacity, 30,000,000 gallons per 24 hours.
2. Description of fuel: Kind, bituminous. Brand and price of coal: "Hughes"—King Philip at \$10.20 to \$17.45 per ton, 1,700 tons at \$11.70.
5. Coal consumed during year, 5,915,800 pounds.
Daily average of coal consumed, 16,207 pounds.
Coal per million gallons pumped, 1,462 pounds.
6. Total pumpage for the year without allowance for slip, 4,043,917,000 gallons. Daily average, 11,079,224 gallons.
7. Average static head against which the pump works, 157.72.
8. Average dynamic head against which the pump works, 189.86.
9. Number of gallons pumped per pound of coal, 683.
10. Duty, 108,240,123.
Cost of pumping figured on pumping station expenses, viz., \$59,418.68.
11. Per million gallons pumped, \$14.69.
12. Per million gallons raised one foot (dynamic) .07 8-10.

FINANCIAL STATEMENT

For the year ending March 31, 1921

Maintenance Account. General:

A—Personal Service:

| | | | |
|------------------------------|-------------|--------------|--------------|
| 1. Permanent employes | \$80,172.77 | | |
| 2. Temporary employes | 59,197.52 | | |
| 3. Unassigned employes | 2,700.00 | \$142,070.29 | \$138,856.75 |

| | | | |
|-----------------------------------|-----------|--|-----------|
| B—Service other than personal ... | 23,427.57 | | 23,427.57 |
|-----------------------------------|-----------|--|-----------|

| | | | |
|-------------------|-----------|--|-----------|
| C—Equipment | 14,039.66 | | 14,039.66 |
|-------------------|-----------|--|-----------|

| | | | |
|------------------|-----------|--|-----------|
| D—Supplies | 14,093.69 | | 14,093.69 |
|------------------|-----------|--|-----------|

| | | | |
|-------------------|-----------|--|-----------|
| E—Materials | 40,133.55 | | 35,374.76 |
|-------------------|-----------|--|-----------|

| | | | |
|-----------------------|------------|--|----------|
| F—Special Items | \$3,526.96 | | 3,526.96 |
|-----------------------|------------|--|----------|

| | | | |
|---------------------|-----------|--|--|
| . Serial Loan | 20,500.00 | | |
|---------------------|-----------|--|--|

| | | | |
|-------------------|-----------|--|--|
| 5. Interest | 40,536.25 | | |
|-------------------|-----------|--|--|

| | | | |
|-------------------|--------|-----------|--|
| 14. Refunds | 833.25 | 65,396.46 | |
|-------------------|--------|-----------|--|

| | | | |
|---------------------------------|--------|------------|--------|
| G—Incidental Expenditures | 633.58 | 157,724.51 | 633.58 |
|---------------------------------|--------|------------|--------|

| | | | |
|--|--|--------------|--------------|
| | | \$299,794.80 | \$229,952.97 |
|--|--|--------------|--------------|

With new supplies, serial loan, interest and abatements deducted:—
(\$69,841.83)

Pumping:

A—Personal Service:

| | | |
|-----------------------------|-------------|-------------|
| 1. Permanent employes | \$17,937.20 | |
| 2. Temporary Employes | 3,115.76 | \$21,052.96 |

B—Service other than personal.... 1,582.05

C—Equipment 728.45

D—General plant 36,023.69 38,334.19 \$59,387.15

\$59,387.15
Reservoirs:

A—Personal Service:

1. Permanent employes \$15,419.91

2. Temporary employes 11,856.61

27,276.52

3. Unassigned employes 600.00 \$27,876.52

B—Service other than personal \$5,754.23

C—Equipment 454.38

D—Supplies 1,410.31

\$7,618.92

7,618.92

\$35,495.44

\$35,495.44

Total expenditures for the year \$394,677.39 \$324,835.56

Detector Meters 2,743.50

Payson Park Repairs 1,235.40

Filtration 2,545.27

STATISTICS OF CONSUMPTION OF WATER

For the year extending from April 1, 1920, to March 31, 1921.

Total population, census of 1915, 108,822.

Estimated population supplied on lines of pipes, 114,900.

Total pumpage for the year, 4,043,917,000 gallons.

Average daily pumpage, 11,079,224 gallons.

Gallons per day to each inhabitant (pumpage), 96.42 gallons.

Gallons per day to each tap in use (pumpage), 744 gallons.

Total cost of supplying water per million gallons figured on
"Total Maintenance" (\$394,677.39), \$97.60.Cost of supplying water per million gallons pumped, figured
on "Operating Expenses" (\$324,835.56), \$80.33.

Respectfully submitted,

TIMOTHY W. GOOD,
General Superintendent.

REPORT OF THE OVERSEERS OF THE POOR

April 1, 1921.

To His Honor the Mayor and the Honorable City Council,
City of Cambridge, Mass.

Gentlemen:

The Board of Overseers of the Poor herewith submit their annual report for the year ending March 31, 1921.

At the annual meeting of the Board held May 6, 1920, Rev. John R. McCool was unanimously re-elected chairman for the ensuing year.

On May 4, 1920, the appointment of George D. Colgan to succeed the late James F. Mullen as Overseer of the Poor for the remainder of the term ending the first Monday in May, 1923, was confirmed by the City Council.

On September 18, 1920, John J. Corkery, a member of the Board since May 20, 1919, died.

The following resolutions were adopted by the Board:

"WHEREAS, It has pleased Almighty God to remove from our midst John J. Corkery, a member of the Overseers of the Poor of Cambridge, be it

"RESOLVED, That the City of Cambridge, by his death, has lost a most estimable citizen, who gave much of his time and experience to alleviate the sufferings of the poor.

"The poor of Cambridge have lost a faithful friend, whose kindness of heart and devotion to duty have aided many a family over a hard place.

"This Board has lost a friend whose honesty and fidelity of purpose have been an example to them; be it further

"RESOLVED, That these resolutions be spread upon the records and a copy sent to the bereaved family."

On October 19, 1920, the appointment of Leopold Bartel to succeed John J. Corkery, for the remainder of the term ending the first Monday in May, 1921, was confirmed by the City Council.

The cost of maintaining the department is as follows:

| | Expenditures | Receipts | Net Cost |
|-------------------|--------------|-------------|--------------|
| Outside Aid | \$166,705.47 | \$65,178.93 | \$101,526.54 |
| City Home | 42,145.83 | 4,793.19 | 37,352.64 |
| | <hr/> | <hr/> | <hr/> |
| | \$208,851.30 | \$69,972.12 | \$138,879.18 |

An itemized statement of expenditures follows:

Respectfully submitted.

JOHN R. McCOOL, Chairman,
GEORGE P. O'BRIEN,
CHARLES J. WILLIAMS,
BERNARD B. WELCH,
LEOPOLD BARTEL,
EDMUND A. WHITMAN,
GEORGE D. COLGAN.

EXPENDITURES

OUTSIDE AID

Personal Service

| | | |
|------------------------------------|-------------|-------------|
| Salaries Permanent Employees | \$11,995.00 | |
| Salaries Temporary Employees | 75.00 | \$12,070.00 |

Service Other Than Personal

| | | |
|------------------------------------|----------|----------|
| Printing and Binding | \$90.99 | |
| Postage | 41.95 | |
| Advertising | 20.85 | |
| Transportation of persons | 1,051.77 | |
| Light and Power | 30.86 | |
| Rent | 119.56 | |
| Communication | 128.35 | |
| Motor vehicle repairs | 17.76 | |
| Care of persons | 1,836.00 | |
| Fees | 12.00 | |
| Burials | 233.00 | |
| Service, not otherwise coded | 56.55 | 3,639.64 |

Equipment

| | | |
|-----------------------|----------|----------|
| Motor vehicle | \$780.08 | |
| Office | 220.78 | |
| Wearing apparel | 530.46 | 1,631.32 |

Supplies

| | | |
|-------------------------------------|----------|------------|
| Office | \$429.78 | |
| Food and ice | 5,639.94 | |
| Fuel | 630.86 | |
| Medical and surgical | 778.79 | |
| Motor vehicle | 152.48 | |
| Supplies, not otherwise coded | 17.68 | \$7,649.53 |

Special Items

| | | |
|--------------------------|-------------|------------|
| Care of dependents | \$67,024.87 | |
| Mothers' aid | 74,690.11 | 141,714.98 |

| | | |
|---------------------------------------|--|--------------|
| Total Expenditures, Outside Aid | | \$166,705.47 |
|---------------------------------------|--|--------------|

CITY HOME

Personal Service

| | | |
|--|-------------|-------------|
| Salaries and wages, permanent employees.... | \$15,849.89 | |
| Salaries and wages, temporary employees | 402.68 | \$16,252.57 |

Service Other Than Personal

| | | |
|---------------------------------|---------|--|
| Postage | \$23.00 | |
| Advertising | 2.55 | |
| Transportation of persons | 230.00 | |
| Hire of teams and autos | 149.80 | |
| Light and power | 621.21 | |
| Communication | 82.49 | |
| Wagon repairs | 24.74 | |
| Care of persons | 435.71 | |
| Medical | 10.00 | |
| Religious | 82.00 | |

| | | |
|--------------------------------------|-----------|-------------|
| Fees | 5.25 | |
| Boiler and elevator inspection | 44.10 | |
| Burials | 125.00 | |
| Harness repairs | 15.19 | |
| Horseshoeing | 59.34 | |
| Service not otherwise coded | 515.64 | 2,426.02 |
| <hr/> | | |
| Equipment | | |
| Furniture and fittings | \$188.62 | |
| Live stock | 50.00 | |
| Wearing apparel | 655.79 | 894.41 |
| <hr/> | | |
| Supplies | | |
| Office | \$34.70 | |
| Food and ice | 14,473.00 | |
| Fuel | 3,969.09 | |
| Forage and animal | 769.16 | |
| Medical and surgical | 583.71 | |
| Laundry, cleaning, toilet | 216.45 | |
| Agricultural | 222.75 | |
| Chemicals and disinfectants | 56.10 | |
| Tobacco | 299.25 | |
| Supplies not otherwise coded | 904.36 | 21,528.57 |
| <hr/> | | |
| Materials | | |
| Building | \$398.74 | 398.74 |
| <hr/> | | |
| Special Items | | |
| Cash to inmates | \$645.50 | 645.50 |
| <hr/> | | |
| Total Expenditures, City Home | | \$42,145.83 |

RECEIPTS
OUTSIDE AID

| | | |
|-------------------------------|-------------|-----------|
| Cities and Towns | | |
| Temporary aid | \$1,957.32 | |
| Mothers' Aid | 1,449.90 | |
| Commonwealth of Massachusetts | | |
| Temporary aid | \$14,570.45 | |
| Sick poor | 1,267.85 | |
| Mothers' aid | 45,933.41 | 65,178.93 |
| <hr/> | | |

CITY HOME

| | | |
|-------------------------------------|------------|-------------|
| Individuals | \$2,907.26 | |
| Cities and towns | 81.19 | |
| Cash Sales | 1,793.04 | |
| Commonwealth of Massachusetts | 11.70 | 4,793.19 |
| <hr/> | | |
| Total receipts | | \$69,972.12 |

REPORT OF SUPERINTENDENT OF CITY HOME

Cambridge, Mass., April 28, 1921.

To the Board of Overseers of the Poor:
Gentlemen:

The Annual Report of the Cambridge City Home for the twelve months ending March 31, 1921, is hereby respectfully submitted:

The total number in the Home during the twelve months has been as follows:

| | | | |
|---------------|-----|--------------|-----|
| Males | 134 | Adults | 217 |
| Females | 97 | Minors | 14 |
| <hr/> | | <hr/> | |
| Total | 231 | Total | 231 |

The average number during the twelve months was 135.

There remained in the Home March 31, 1921, including those temporarily out but not discharged:

| | |
|---------------------|-----|
| Males | 82 |
| Females | 60 |
| Male babies | 2 |
| Female babies | 3 |
| <hr/> | |
| Total | 147 |

Of these, 101 are between the ages of 60 and 95. The largest number in any one group of ten years is 45 between 70 and 80 years of age; Mental, 11; Cripples, 26; Blind, 5; Epileptic, 4; Deaf and Dumb, 1.

There are 47 in the hospital wards; Females, 35; Males, 12.

ADMISSIONS

Showing the number and sex of adults and minors admitted in each of the twelve months ending March 31, 1921:

| Month | Males | Females | Boys | Girls | Totals |
|-----------------|-------|---------|------|-------|--------|
| 1920 | | | | | |
| April | 2 | 5 | 4 | 0 | 11 |
| May | 6 | 5 | 0 | 0 | 11 |
| June | 2 | 2 | 1 | 1 | 6 |
| July | 1 | 1 | 0 | 1 | 3 |
| August | 5 | 2 | 1 | 1 | 9 |
| September | 1 | 2 | 1 | 0 | 4 |

| | | | | | |
|----------------|-------|-------|-------|-------|-------|
| October | 4 | 2 | 0 | 0 | 6 |
| November | 7 | 4 | 0 | 0 | 11 |
| December | 2 | 3 | 0 | 0 | 5 |
| 1921 | | | | | |
| January | 6 | 6 | 0 | 0 | 12 |
| February | 8 | 1 | 0 | 0 | 9 |
| March | 6 | 3 | 2 | 1 | 12 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| Totals | 50 | 36 | 9 | 4 | 99 |

Of this number 35 were re-admissions, 26 males and 9 females.

DISCHARGES

Showing the number and sex of adults and minors discharged in each of the twelve months ending March 31, 1921:

| Month | Males | Females | Boys | Girls | Totals |
|---------------------|-------|---------|-------|-------|--------|
| 1920 | | | | | |
| April | 2 | 6 | 4 | 0 | 12 |
| May | 4 | 4 | 0 | 0 | 8 |
| June | 3 | 5 | 2 | 0 | 10 |
| July | 4 | 0 | 0 | 1 | 5 |
| August | 3 | 4 | 0 | 0 | 7 |
| September | 2 | 1 | 1 | 0 | 4 |
| October | 2 | 2 | 0 | 0 | 4 |
| November | 4 | 6 | 0 | 0 | 10 |
| December | 2 | 0 | 0 | 0 | 2 |
| 1921 | | | | | |
| January, 1921 | 3 | 0 | 0 | 0 | 3 |
| February | 8 | 3 | 0 | 0 | 11 |
| March | 5 | 2 | 1 | 0 | 8 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| Totals | 42 | 33 | 8 | 1 | 84 |

The term "discharge" includes those who die, sent to other institutions, who leave of their own accord or otherwise. Eight of these were sent to other institutions:

| | |
|------------------------------------|-------|
| State Infirmary at Tewksbury | 4 |
| State Board—Minor Wards | 2 |
| Long Island Hospital | 1 |
| Home for Aged People | 1 |
| | <hr/> |
| | 8 |

Went to work, 14; Walked out, 6; Put out for defiance to rules, 1; To relatives and friends, 28.

There were 12 here less than one week.

One less than one day.

DEATHS

There were 27 deaths during the year. The average age of those who died was 66 years. The oldest was 86 years of age; the youngest 26. The longest time spent at the Home was 6 years, 3 months; the shortest time was 3 days. The average time at the Home was 1 year, 4 months, 18 days. Less than one week, 4; less than one month, 9. Of these 27 deaths only 5 were buried by the City.

MOVING PICTURES

From all the knowledge that we have at hand after diligent inquiry, the Home is the only one of its kind in the country having a complete moving picture booth, screen and outfit, giving regular shows during the autumn and winter months. Too much praise cannot be given to the big-hearted managers of the film companies for their goodness in loaning their best reels that the old folks may be made happy. Special thanks are due the Famous Players, Lasky Corporation, Artcraft, Paramount, Pathe, Goldwyn, First National, Educational Vitagraph and Metro companies.

To Mr. Joseph Sully of the Pathe Exchange and of the Cambridge Lodge of Elks we are especially indebted. He cheerfully gives his services twice a month that he may add to the happiness of those in the Home. He says he is well paid in being able to do this.

ENTERTAINMENTS

To the following societies we are indebted for splendid entertainments: Broadway Baptist Sunday School; North Cambridge Council 269, Knights of Columbus; First Unitarian Church; Ozanam Council 912, Knights of Columbus; Daughters of Isabella; Court La Rabida, No. 183; First Parish Church; American Legion, Post 27.

CHRISTMAS GIFTS

We appreciate the kindness of the following individuals who sent gifts to those under our care: Mr. and Mrs. Joseph Ballister Russell, 25 pounds candy; Clara A. Conant, candy; Alfred Sears, 1 box oranges; Trustees of Sarah E. Russell Fund; Griffin Brothers and Thomas W. Charak & Company, tobacco; Mrs. Charles W. Gerould, Elizabeht and Margery Gerould; Mrs. William H. Pear, and Miss Edith Grandgent of the First Parish Church, for Christmas wreaths, candies and cakes; Mr. and Mrs.

George Murphy and Mr. and Mrs. Harry Trueman for cakes, candies and fruit; Frank P. Sullivan and members of Fire Combination No. 2, Lexington Avenue, for phonograph records. In addition to the above, the Board of Overseers of the Poor distributed fruit, candies, handkerchiefs, aprons and tobacco. Each person received a suitable Christmas card and a crisp new one dollar bill. The inmates of no other City Home receive the latter gift.

THE MAYOR'S DAY

New Year's Day has been set aside as the Mayor's Day when the chief executive visits and extends his personal good wishes to all those in the Home. Mayor Quinn, since this custom has been established, has furnished an entertainment made up of artists from the various Boston theatres. Extra delicacies were given in the way of eats, ice cream, cakes and candies. On this day the members of the City Government, the Press and other guests are invited. A collation is served.

MANAGER JOHN F. PATTON

The members of the big family at the Home have reason to remember the kindness of John F. Patton, Manager of the Harvard Theatre of Gordon's circuit. Each week he passes numbers of the inmates to the first-class pictures given at this now popular house. The best seats in the house are at their disposal. The general public should know and show their appreciation of such a kind act.

VISITATIONS

We have encouraged visitations by our citizens, members of societies and religious denominations. Many of our inmates who never had visitors are now frequently called upon by these good people who bring happiness and oftentimes delicacies so much enjoyed. Mrs. Charles W. Gerould, the Misses Bates, and Mr. and Mrs. George Murphy are worthy of special mention because of their many visits and gifts.

LIBRARY BOOKS

To Mr. Thomas H. Cummings, Librarian of the Cambridge Public Library, we are thankful for the many books so kindly sent to the old folks. He has lightened their burdens by occupying their minds with story and travel.

PHONOGRAPH RECORDS

We would appreciate very much if our good citizens, oftentimes tired of hearing the same record over and over again, would remember that to our old folks these records are new. Kindly send them along. A gloomy day could be made cheerful by them.

FLOWERS

We thank Miss Annie Chapman for the many beautiful flowers sent here from the memorial service held for her sister at the First Parish Church.

THANKS TO THE OVERSEERS

My heartfelt thanks go to the members of the Board of Overseers of the Poor for their good-will, helpful advice and encouragement. They have made much lighter the tasks that go with this position which at times are most trying.

The year was made sorrowful by the death of Overseer John J. Corkery, whose big heart was ever beating for those who needed help. All the old folks miss his cheerful visits.

I desire to thank all who in any way help to brighten the lives of those under our charge and trust that they will be repaid one hundred fold.

The assistance given to me by the employees of the Department is greatly appreciated by me.

Respectfully submitted,

JOHN T. SHEA.

REPORT OF CITY PHYSICIAN

To His Honor the Mayor, and the Honorable City Council of the
City of Cambridge:

Gentlemen:

The report of the City Physician for the twelve months ending March 31, 1921, is hereby rendered:

CITY HOME

| | |
|--|----------|
| Number of visits | 261 |
| Number of persons attended there | 143 |
| Number of deaths at the City Home | 27 |
| Number of patients admitted | 65 |
| Cost of medicines, and surgical appliances | \$583.71 |

OUTSIDE AID

| | |
|--|----------|
| Number of persons attended for the Overseers of the Poor..... | 825 |
| Number of visits to the same | 1,138 |
| Number of persons sent to outside hospitals for treatment | 6 |
| Number of outside deaths | 8 |
| Number of outside births | 7 |
| Cost of medicines, surgical appliances, and medical assistance.... | \$853.79 |

DEPARTMENTAL

| | |
|---|-------|
| Number of persons attended at police stations | 29 |
| Number of visits to the same | 29 |
| Number of patients examined for the Law Department | 10 |
| Number of visits to the same | 10 |
| Number of employees examined for injuries: | |
| Police Department | 2 |
| Fire Department | 3 |
| Street Department | 1 |
| Number of visits to the same | 6 |
| Number of persons injured by the Police Department | 1 |
| Number of visits to the same | 1 |
| Number of vaccinations for the School Committee | 404 |
| Number of visits to the same | 404 |
| Number of Policemen examined for retirement | 1 |
| Number of visits to the same | 1 |
| Total number of persons having received professional care | 1,423 |
| Total number of professional visits to the same | 1,841 |

I wish to thank all the officials connected with the department for their kind and courteous treatment, and material help.

Respectfully submitted,

WILLIAM G. BROUSSEAU, M.D.,
City Physician

CAMBRIDGE PUBLIC LIBRARY

1920-21

TRUSTEES

| | |
|--|----------------------------|
| CHARLES F. J. McCUE (Of the School Committee) | Term expires January, 1922 |
| EDWARD P. COLLIER | Term expires January, 1924 |
| ROBERT W. YOUNG | Term expires January, 1924 |
| ALBERT E. LYNCH | Term expires January, 1922 |
| EDWARD H. REDSTONE | Term expires January, 1922 |
| JOHN A. BUTLER | Term expires January, 1923 |
| NELLIE F. CROWLEY | Term expires January, 1923 |

CHAIRMAN

Rev. John A. Butler

SECRETARY

Nellie F. Crowley

TREASURER

Albert E. Lynch

LIBRARIAN

Thomas Harrison Cummings

CENTRAL LIBRARY

Broadway and Trowbridge Street

The central library is open daily, except holidays, from 9 A. M. to 9 P. M.; the children's room, from 9 A. M. to 6 P. M. On Sundays the central library is open to readers only, from 2 to 9 P. M.; the children's room from 2 to 6 P. M. From June 15 to September 15 the central library and children's room are closed on Sundays.

BRANCH LIBRARIES

Open Week Days Only

EAST CAMBRIDGE BRANCH, Fourth Street.

Open from 9 A. M. to 9 P. M.

NORTH CAMBRIDGE BRANCH, 2101 Massachusetts Avenue.

Open from 9 A. M. to 9 P. M.

CAMBRIDGEPORT BRANCH, 744 Massachusetts Ave., cor. Pleasant St.

Open from 9 A. M. to 9 P. M.

CAMBRIDGE FIELD BRANCH, the Shelter, Cambridge Field.

Open from 2 P. M. to 9 P. M. Saturdays, 9 A. M. to 9 P. M.

MT. AUBURN BRANCH, Haggerty Schoolhouse, Cushing St.

Open Mondays and Wednesdays, 2 to 9 P. M. Saturdays, 1 to 9 P. M.

REPORT OF BOARD OF LIBRARY TRUSTEES

To the Honorable, the City Council of the City of Cambridge.

Gentlemen: In making its annual report for this, the 75th anniversary of the University City, the Board of Library Trustees once more calls to your attention the totally inadequate appropriation for the maintenance of the Central Library and its branches.

With a steadily increasing population, becoming more and more cosmopolitan, and creating thereby a greater necessity for educational work — and the Public Library is surely one of the most essential aids in this greatest feature of real Americanization — there has been no corresponding increase in the amount appropriated for that purpose.

When the expense of heating, lighting, and salaries, etc., is deducted from the funds at our disposal, there is an entirely insufficient sum left for the purchase of books and magazines, both for instruction and diversion.

In the matter of lighter literature — fiction — the greater evil obtains, as, owing to our inability to meet the demands for good, wholesome reading of a light nature, under a proper censorship, the only other alternative is the circulating library, where, in many cases, the old masters and most of the higher class of modern writers are ignored, and unmoral — and to some extent — immoral fiction runs riot.

Attention is also once more called to the need of better and more up-to-date housing of the branches. They are in most cases only make-shifts, and entirely unworthy of our city.

One of the most important of these branches at Central Square is most inadequate. A high rental is demanded, and we are only tenants at will. The East Cambridge station is obsolete, and the North Cambridge station but little better.

Despite these handicaps, much good has been accomplished, and the Librarian's report, which is appended, shows a steady increase in circulation.

JOHN A. BUTLER, Chairman,
EDWARD P. COLLIER,
C. F. J. McCUE,
ROBERT W. YOUNG,
EDWARD H. REDSTONE,
ALBERT E. LYNCH, Treasurer,
NELLIE F. CROWLEY, Secretary.

LIBRARIAN'S REPORT

To the Board of Trustees.

Gentlemen: I beg to submit herewith the sixty-third annual report of the activities of the Cambridge Public Library covering the period from April 1, 1920, to March 31, 1921, inclusive.

It is a pleasure to transmit to the board the accompanying report relating to the work and accomplishments of the Cambridge Public Library, together with the statistics and summary of the library's service during the year that has just ended.

The substantial increase made in the use of the library in all sections of the city is significant of increased interest in educational opportunities manifested everywhere, and also of the generous co-operation and fine constructive spirit in which the Mayor and City Council have passed upon our financial needs.

GENERAL SURVEY

At present we have a city of practically 110,000 persons, of whom more than one-third are registered borrowers at the library.

The total number of books circulated for the year has reached 404,238 at the Central Library and the branches, which would seem to indicate that this has been a year of very great interest and the high water mark for library service in Cambridge. The library has added 5,748 books to its collection, so that there are now accessioned in the library on April 1, 1921, 121,476 books, which are all accessible to the people of Cambridge. There also has been provided several hundred current periodicals in the Central Library and branches, in addition.

Each branch library possesses a complete card catalogue of all its books. At the Central Library there is a public card catalogue of nearly all the volumes in the library, comprising over one-half million cards and also a shelf list in the Catalogue Room that covers completely the contents of the Central Library and branches combined. A trained and educated staff of library employes cheerfully furnishes the information necessary for the

public to use these resources to good advantage. The reference department of the Central Library is one of the most important agencies in giving the best reading available to those seekers after knowledge in any form, who frequent the library. The open shelves in the delivery room to which the public have freedom of access, and through which the public can gain an intimate acquaintance with hundreds of the best books in history, biography, travel, and general literature are continually used. Lists of new books have been posted each month from time to time, thus acquainting the public promptly with the newer accessions to the library. Timely bibliographies on subjects of current interest in pamphlet form have been issued, and children's story hours have led the young to begin to love the companionship of books. So that summing up, in a few words, the activities of the Cambridge Public Library it is not a luxury by any means, nor yet is it designed specially to serve only the privileged few in the community. It has now become a public necessity, and furnishes the means to promote adult education, and is a source of information for every kind of knowledge. As a means of recreation, it serves as an impulse towards better citizenship for every man or woman who uses it. Today the Cambridge Public Library is an active, live working, democracy, without prejudice as to race, color, condition, or age; while the books of the library are at the disposal of everyone who seeks them. It is a concrete example of what democracy can do for the people. Its goal is to put more books within the reach of more people. It is an active agency for disseminating information and knowledge through the educational possibilities of free books in a free library, for all the population until everyone who cares for an education of this kind, everyone who is interested in this laboratory of democracy will want to support it and even extend the work to all who are without library service. The workman must have his tools, and so must a community have its library and schools. The library is one of the most necessary tools to help upbuild the city, the state and the nation, in civic pride, patriotism and citizenship.

The general standards of intelligence and knowledge and community morale can be advanced only as individuals have access to the thoughts and experiences of the past ages. All this implies collections of books and other printed matter, carefully selected, thoroughly organized, in charge of an expert, who not

only knows his material, but also the best methods to make it available and useful to all inquirers. Its purpose should be to meet the needs of every element in the community seeking information. It should assist the worker to perfect himself in his trade; help the foreign-born to become conversant with American ways and ideas; make itself indispensable to city officials, manufacturers, merchants and professional men; provide material for the investigator or specialist; satisfy the hunger of the good reader for good literature; and take its place beside the school in the educational system that guides the child in the formative period of life. Thus it becomes a mighty social factor wherever adequately supported and rightly administered.

REFERENCE DEPARTMENT

The work of the reference department has increased this year, but cannot be shown wholly by statistics, yet the number of readers recorded here has been 25,210, and the number of questions recorded has been 7,380, though the pressure of work has often made it difficult to keep these records accurately.

The questions asked have been of all kinds, varying from the inquiries for information about the golden house of Nero, to the request for a picture of a branch of an oak tree, to be used in a design for the sign of a restaurant of the present day. One rather interesting incident, a little outside the general work, was the re-establishment of connection between two old friends who had lost track of each other, one being in Winchester, Mass., but formerly of Cambridge, and the other in Los Angeles, Cal.

Besides the continuous use of the many books kept in the reading room for consultation, there have been 11,605 books drawn from the stack for reference work in the library.

It is interesting to notice the interest developed generally among the patrons of the library along several distinct lines during the past year. For instance, in technological books, there has been a pronounced interest and an increased use of books on shipbuilding, automobiles, mechanical engineering and machinery. Philosophy and sociology seem to be losing in their general appeal with an appreciable loss of interest in history.

The questions asked us varied, as they usually do, from the really important research questions to those of a less serious character. This is partially shown by the following extract from

the report of the head of the reference department. The questions demonstrate some of the most interesting phases of our work, as reported by Miss Hawkes, the reference librarian.

1. Can you suggest a short story which dramatized would make a good one-act play?

2. What is the origin of the loving cup?

3. How many gallons of maple syrup does it take to make a pound of maple sugar?

4. What poem gives the story of Alexander's picture "The Pot of Basil?"

5. Is the red part of the poinsettia the flower?

6. I have read some books by an author who was also an artist. Can you tell me who he was so that I can get more of his books?

7. What is the address of "Oil Paint and Drug Reporter?"

8. What is a good poem to read on Columbus Day?

9. Who was the Englishwoman, a Quakeress, who was interested in prison reform?

10. We have a picture at home of a man studying, and behind him, soldiers parting a curtain. Can you tell me who he was?

11. Book wanted giving the life of Byron in the form of a novel?

12. Wanted, a "Biographical portrait of a newsboy."

13. Books wanted giving patterns of animals for a child's bed quilt, either cross stitch or filet lace.

14. What should I do to get rid of mice?

15. What relation was Edward Everett Hale to Nathan Hale?

16. Is the child of an alien born in this country an American citizen?

17. What great historical event happened on September 17?

18. What is the composition of a septic pencil used by the barber for cuts, etc?

19. I have a portrait of Gilbert Stuart of Col. Joseph May. I wish to identify it and know something about him and his family.

20. What is a logarithm spiral?

21. What does a chemical engineer do?

22. How many bales of cotton were produced in the United States in 1829 and 1860?

23. How may I secure tickets for the Lowell Institute Lectures?

WORK WITH THE SCHOOLS

Instruction in the use of reference books has been given to classes regularly each day during the scholastic year, from both the Cambridge High and Latin and Rindge Technical Schools, as in the past few years.

The Seniors from Rindge came, in the fall, for two talks and a period of practice in looking up references in regard to the Pilgrim Fathers. Later some books about the Pilgrims were reserved for their use at the library, for reading, in preparation for the writing of an essay for which a prize had been offered by the Cantabrigia Club.

The Freshmen from the High and Latin School came for two talks and a period of practice in looking up answers to questions assigned. Over twenty-seven hundred pupils have been for these lessons, coming in groups, number between twenty and thirty. The Sophomore class is now coming in sections and will probably come for two periods of instruction and practice.

Some books dealing with Cambridge, its history, institutions, etc., have been reserved for a few weeks for some of the high school classes in civics. The use of the library by pupils of the adjoining schools has greatly increased.

LIBRARY EXTENSION

"For the past year or two, through the kind generous and intelligent assistance of Mr. T. Harrison Cummings, City Librarian, the Public Library has been used daily by high school classes for class study, reference and research, under the supervision of the class teacher, the librarian and his assistant. This has opened to high school pupils the advantages of the use of a valuable reference library of 10,000 volumes and given them a working knowledge of the storehouses of knowledge and how to reach their stores.

"Many modern high schools have established school reference libraries with librarians in charge. In such instances, the size of the library is necessarily quite limited and the expense to the School Board a matter to be reckoned with. In Cambridge, better results are accomplished with no expense to the city. In addition, through the co-operation of the library trustees and the librarian, each class room is supplied with from fifty to one hun-

dred books each week, these books being delivered and collected by Library Service. I recommend that the School Board express to the trustees and librarian their appreciation of the value to the schools of this service." Report of Supt. of Schools, 1920.

LIVE INFORMATION FILE

The value of pictures, pamphlets, newspapers clippings and other timely material for reference in public libraries is now recognized as an important adjunct to magazines and books. How best to make this mass of material available for immediate use is the problem. The library has recently added several vertical file cases with proper guide boards and folders to contain the pamphlets and clippings relating to each subject. The folders are then arranged alphabetically in the files and the material is kept up to date by constant additions and by weeding out articles that are no longer timely nor of vital interest. To insure order and correct filing, an attendant is specially detailed to care for the files. While this material is not permitted to leave the building, it can be loaned like books occasionally when conditions require.

THE BRANCH LIBRARIES IN AMERICANIZATION WORK

These libraries continue to grow in usefulness and importance, reaching thousands of people in every section of the city, and introducing the library facilities to those who, in no other way, could ever become acquainted with them. Even with their limited accommodations and small supply of books they render priceless service far in excess of their cost to the city. Their activities along the lines of Americanization are noteworthy and very helpful. Hundreds of children from the homes of foreign parents are daily visitors to these libraries. Every effort is made to bring the foreign-born parents to the library too—not only so they will appreciate its value to the children, but so they will find pleasure and profit there for themselves. Foreign language books are supplied in limited quantities.

Other lessons in Americanization are taught from these branches besides those found in books. The librarians are an integral part of the community; and the problems brought to them concern many things outside the library routine. They can

do much to bring to readers of Italian, Yiddish, Polish, Portuguese, Greek, Armenian and other languages, a better understanding of American ideals.

A large proportion of the branch library readers today are the sons and daughters of the foreign-born, adopted citizens from many lands. These children take home from the library the English language as well as books that are easy to read, that breathe the true spirit of their adopted country. It has been well and rightly said that "Good books make good citizens," and any program designed to create a better citizenship or a finer culture, among this class in the community should begin with the children. The branch library then is one of the most important agencies for universal self-education and better citizenship. It is a storehouse of all kinds of knowledge. It aims to help anyone who is able and willing to continue his education by direction and counsel. It can even provide a University course and the opportunity for self-education to any young man or woman, who was compelled to leave school early and never had a chance before to gain a higher education. It can circulate books that are uplifting and helpful, and daily answers questions where expert advice is needed.

JUVENILE DEPARTMENT

The library plays a very important role in the lives of the Cambridge children. As their special collection of books constitutes a good percentage of the library's resources, their borrowing of books for home reading provide 25 per cent of the entire book circulation. Our work with the children has now become one of the great constructive forces of the library. Through the boys and girls and under the leadership of Miss McNally, head of the Children's department, the Christmas book week in November of each year has become a real educational event. The story hour, through the co-operation of the kindergarten teachers, has also proved a great success and attraction at the library.

CHRISTMAS BOOK WEEK

During this week the Cambridge Public Library, co-operating with several national organizations, book publishers, book-seller's, women's clubs, Boy Scouts, etc., conducted a book week.

It was planned to arouse interest in children's reading and also to suggest suitable books for Christmas buying. In selecting holiday books for our young people the library does not forget the old familiar friends who have done so much to create a love for good reading in boys and girls. Many of these standard books for young people are appearing this year in new editions, beautifully illustrated. Among them are Joel Chandler Harris's Uncle Remus; a new Boy Scout's Year Book; Grimm's Fairy Tales; a new Burgess Animal Book; the legends of King Arthur and his knights, in the beautiful Pyle edition; Fourth Down and Quarterback Bates by Ralph Henry Barbour. For the girls there are new books by Mrs. Fisher and Dorothy Canfield. Silver Shoal Light by Edith Price and the Little Lane Prince by Miss Muloch are good books. Every girl who hasn't read these books has been shut out of just so much joy and has never yet seen the gardens of real enchantment in book reading.

The librarian planned a comprehensive exhibit of these and more books which were displayed all that week in the lobby of the main library, while the members of the staff of the Children's department explained the value of the books to interested parents, teachers, groups of children and any other groups interested in the subjects, and answered all questions. In suggesting suitable books for Christmas it should be remembered that worth while books are not cheap books, and people cannot buy books more cheaply for children than for adults if they want real good books.

The demand among children for fiction averaged about one-half of the books taken out of the children's library. Biography and books on history and mechanical books claim the attention of the boys. It is surprising the demand among boys for personal narratives of the war, showing that they still retain a great interest in stories of war experience. Old favorites like Grimm's Fairy Tales and Louisa Alcott's books never lose their interest, and the girls of today love them and read them just as enthusiastically as the children of former years. Many newer publications were included so teachers might become acquainted with the newest and best literature that should interest children in the holiday season.

CATALOGUE DEPARTMENT

An additional cabinet of sixty trays made it possible to expand the public card catalogue and thus relieve the crowded condition of the separate trays. The catalogue has also been improved in appearance and usefulness by a set of library bureau guides to subject headings, names, etc., and by outside labels lettered and numbered by a pupil of the Rindge Training School.

The recent appointment of an additional assistant, who will give part time in this department, should enable us to examine the books running under the old catalogue system, with a view to discarding the worthless ones and re-classifying and re-cataloguing the remainder of which there are many of considerable value.

READING LISTS

Among the Reading Lists of books issued during the year the most important are those on the Pilgrim Fathers, Ireland and the Irish People, Americanism, and the Golden Staircase of books for the Boy Scouts, Child Labor, How to Qualify for Suffrage, Napoleon, Dante, Books on Thrift, etc.

THRIFT WEEK

In this connection, the National Thrift Week Committee had fittingly chosen Monday, January 17, the birthday of Benjamin Franklin, who was the greatest American Apostle of thrift, as the first day of thrift week and each succeeding day was then assigned its special feature. For instance:

Monday—Franklin Day was "National Thrift Day," stressing the value of starting saving accounts and forming habits of saving regularly, something each day.

Tuesday—Budget Day for regulating personal and household expenses and receipts.

Wednesday—Insurance Day, urging life, fire, accident and annuity insurance policies.

Thursday—Home Day, urging the desirability of owning your own home.

Friday—Will Day, stressing desirability of creating an estate.

Saturday—Debts Day, paying all honest debts promptly, and starting in with a clean slate.

Sunday—Charity Day, sharing thrift results with others.

This simple, clear and very explicit analysis of how the plain virtue of thrift could be successfully applied, appealed strongly to many of our readers. The wise ones were not slow to take advantage of the Cambridge Public Library lists of books on Thrift that promised to show them how to avoid extravagance and waste in their daily lives and how to cultivate thrift, economy and savings, thus laying the foundation for their future prosperity.

This incident is recorded here to illustrate the new obligation that lies at the door of the Public Library, namely, the opportunity for social welfare work, that sometimes comes through recommending useful and uplifting books, specially designed to help the public.

Respectfully submitted,

T. HARRISON CUMMINGS,
Librarian.

LIBRARY STATISTICS**April 1, 1920—March 31, 1921****Number of Card Holders**

| | |
|---|--------|
| Borrowers registered during year (Central library)..... | 4,195 |
| Total number of borrowers | 26,996 |

Branch libraries

| | |
|--|-------|
| Borrowers registered during year (North Cambridge Branch)..... | 1,030 |
| Total number of borrowers (North Cambridge Branch)..... | 4,669 |
| Borrowers registered during year (East Cambridge Branch)..... | 575 |
| Total number of borrowers (East Cambridge Branch)..... | 1,851 |
| Borrowers registered during year (Cambridgeport Branch)..... | 1,520 |
| Total number of borrowers (Cambridgeport Branch)..... | 4,828 |
| Borrowers registered during year (Cambridge Field Branch)..... | 689 |
| Total number of borrowers (Cambridge Field Branch)..... | 1,798 |
| Borrowers registered during year (Mt. Auburn Branch) | 246 |
| Total number of borrowers (Mt. Auburn Branch)..... | 1,506 |

At Central and Branches

| | |
|---|--------|
| Total number of borrowers (those who have registered for new cards within four years) | 41,648 |
|---|--------|

Accessions**Central Library**

| | |
|--|-------|
| Added by purchase (New books) | 1,503 |
| Added by purchase (Replacements) | 908 |
| Added by gift | 711 |
| | <hr/> |
| | 3,122 |

Branch Libraries

| | |
|--|-------|
| Added by purchase (New books) | 1,223 |
| Added by purchase (Replacements) | 1,303 |
| Added by gift | 100 |
| | <hr/> |
| | 2,626 |

| | |
|------------------------------------|---------|
| Total Gain | 5,748 |
| Withdrawn | 3,437 |
| | <hr/> |
| Net Gain | 2,311 |
| In the library April 1, 1920 | 119,165 |
| | <hr/> |
| In the library April 1, 1921 | 121,476 |

Distributed as follows:

| | |
|------------------------------|---------|
| Central Library | 96,521 |
| North Cambridge Branch | 7,486 |
| East Cambridge Branch | 6,095 |
| Cambridgeport Branch | 5,964 |
| Cambridge Field Branch | 3,000 |
| Mount Auburn Branch | 2,410 |
| | <hr/> |
| | 121,476 |

Cataloguing**Central Library**

| | |
|------------------------------------|-------|
| Titles (shelf cards) | 1,607 |
| New volumes catalogued | 2,307 |
| Volumes re-catalogued | 209 |
| Cards prepared for catalogue | 7,409 |
| Cards revised | 3,422 |

Branch Libraries

| | |
|------------------------------------|-------|
| Titles (union shelf cards) | 439 |
| New volumes catalogued | 1,233 |
| Volumes re-catalogued | 23 |
| Cards prepared for catalogue | 3,310 |
| Cards revised | 807 |

Reference Department

| | |
|---|--------|
| Recorded readers | 25,210 |
| Recorded questions | 7,380 |
| Books from stack charged for use in reference department..... | 11,605 |

Juvenile Department

| | |
|---------------------------------|--------|
| Recorded readers | 18,378 |
| Recorded questions | 2,576 |
| Attendance at story hours | 649 |

Books to Outside Agencies

| | |
|------------------------|-------|
| Grade schools | 3,558 |
| Branch libraries | 660 |
| Deposit stations | 491 |

| | Central Library | | North Branch | East Branch | Cambridgeport | Cambridge Field | Mount Auburn |
|---------------------|--------------------|----------|-----------------|----------------|---------------|--------------------|-----------------|
| | Adult | Juvenile | | | | | |
| General Works | 281 | 180 | 419 | 197 | 348 | 10 | 7 |
| Philosophy | 1,717 | 39 | 628 | 28 | 192 | 39 | 120 |
| Religion | 1,031 | 360 | 1,423 | 275 | 438 | 368 | 328 |
| Sociology | 4,822 | 835 | 1,579 | 750 | 1,638 | 841 | 585 |
| Philology | 489 | 17 | 504 | 42 | 93 | 65 | 350 |
| Science | 1,901 | 347 | 1,733 | 464 | 768 | 664 | 432 |
| Useful Arts | 3,399 | 564 | 1,796 | 412 | 1,024 | 609 | 600 |
| Fine Arts | 2,467 | 549 | 1,942 | 269 | 572 | 537 | 365 |
| Music | 804 | | | | | | |
| Literature | 8,288 | 793 | 2,602 | 1,456 | 1,796 | 1,152 | 770 |
| History | 8,507 | 1,772 | 4,839 | 2,551 | 4,517 | 3,402 | 1,648 |
| Biography | 4,494 | 587 | 1,890 | 333 | 1,301 | 708 | 711 |
| Magazines | 2,246 | 74 | 4,420 | 1,945 | 1,282 | 874 | 2,418 |
| Fiction | 63,578 | 18,918 | 62,812 | 28,938 | 46,655 | 33,259 | 14,897 |
| Total | 104,024 | 24,963 | 86,587 | 37,949 | 60,624 | 42,504 | 23,231 |

| | |
|---|---------|
| Total circulation | 379,954 |
| Estimated circulation in schools and agencies | 24,294 |
| Grand total | 404,248 |

LIBRARY STATISTICS ACCORDING TO FORM ADOPTED BY AMERICAN LIBRARY ASSOCIATION

Annual report for year ended March 31, 1921.

Name of Library: Cambridge Public Library, Cambridge, Mass.

Name of Librarian: Thomas Harrison Cummings.

Date of founding: 1858.

Population served (latest statistics): 109,694.

Assessed valuation of city: \$141,709,972 (real and personal).

Terms of use: Free for lending, free for reference, free to students.

Total number of agencies:

Consisting of—Central Library
Branches 5.
Stations 1.

Other agencies:

24 schools.

4 societies.

Number of days open during year (Central Library), 355.

Hours open each week for lending (Central Library), 72.

Hours open each week for reading (Central Library), 79.

INCREASE

| | |
|--|---------|
| Number of volumes at beginning of year | 119,165 |
| Number of volumes added during year by purchase | 4,937 |
| Number of volumes added during year by gift or exchange..... | 811 |
| Number of volumes withdrawn during year | 3,437 |
| Total number at end of year | 121,476 |
| Number of volumes in Reference department | 2,220 |

USE

| | |
|---|---------|
| Number of volumes of fiction lent for home use..... | 269,057 |
| Total number of volumes lent for home use | 379,954 |
| Estimated circulation in schools and agencies | 24,294 |

REGISTRATION

| | |
|---|--------|
| Number of borrowers registered during year..... | 7,025 |
| Total number of borrowers | 41,648 |
| Registration period, years 4. | |

Number of newspapers and periodicals currently received:

| | Titles | Copies |
|-------------|--------|--------|
| Newspapers | 15 | 49 |
| Periodicals | 213 | 368 |

Number of persons using library for reading and study:

| | |
|-------------------|--------|
| (Reference room) | 25,210 |
| (Children's room) | 18,878 |

Number of publications issued during year, 6.

Number of staff, library service, 24.

Number of staff, janitor service, 3.

TREASURER'S REPORT FOR YEAR ENDING MARCH 26, 1921

Citizen's Subscription Fund

| March 31, 1920 | | March 26, 1921 | |
|----------------------------|-------------------|-------------------------|-------------------|
| Balance in bonds | \$5,500 00 | Expenditures | \$547 54 |
| Balance in bank | 285 17 | Balance in bank | 3 78 |
| Receipts from income | 229 14 | Balance in bonds | 5,421 05 |
| Int. on checking account.. | 37 01 | Par reduced by exchange | |
| | | of bonds | 78 32 |
| | <u>\$6,051 01</u> | | <u>\$6,051 32</u> |

Cummings Fund

| March 31, 1920 | | March 26, 1921 | |
|---------------------------|-------------------|-------------------------|-------------------|
| Balance in bonds | \$2,000 00 | Expenditures | \$135 55 |
| Balance in bank | 48 58 | Balance in bonds | 1,968 42 |
| Receipts from income | 83 65 | Par reduced by exchange | |
| | | of bonds | 31 58 |
| | <u>\$2,132 23</u> | | <u>\$2,135 55</u> |
| | | Deficit | 3 32 |
| | | | <u>\$2,132 23</u> |

Fay Fund

| March 31, 1920 | | March 26, 1921 | |
|---------------------------|-------------------|------------------------|-------------------|
| Balance in bonds | \$1,000 00 | Expenditures | \$45 70 |
| Balance in bank | 40 03 | Balance in bonds | 1,000 00 |
| Receipts from income | 42 50 | Balance in bank | 36 83 |
| | <u>\$1,082 53</u> | | <u>\$1,082 53</u> |

William Penn Harding Fund

| March 31, 1920 | | March 26, 1921 | |
|----------------------------|-------------------|----------------------------|-------------------|
| Balance in savings deposit | \$1,000 00 | Expenditures | \$92 22 |
| Balance in bank | 87 92 | Balance in savings deposit | 1,000 00 |
| Receipts from income .. | 48 05 | Balance in bank | 43 75 |
| | <u>\$1,135 97</u> | | <u>\$1,135 97</u> |

James A. Woolson Fund

| March 31, 1920 | | March 26, 1921 | |
|---------------------------|-------------------|-------------------------|-------------------|
| Balance in bonds | \$5,000 00 | Expenditures | \$79 95 |
| Balance in bank | 301 71 | Balance in bands | 4,921 05 |
| Receipts from income | 209 14 | Balance in bank | 430 90 |
| | <u>\$5,510 85</u> | Par reduced by exchange | |
| | | of bonds | 78 95 |
| | | | <u>\$5,510.85</u> |

William E. Saunders Fund

| March 31, 1920 | | March 26, 1921 | |
|----------------------------|-------------------|----------------------------|-------------------|
| Balance in bonds | \$7,000 00 | Expenditures | \$441 38 |
| Savings deposit | 668 27 | Balance in bonds | 6,889 48 |
| Balance in bank | 187 24 | Balance in bank | 38 68 |
| Int. in savings deposit... | 24 38 | Par reduced by exchange | |
| Receipts from income ... | 292 82 | of bonds | 110 52 |
| | | Balance in savings deposit | 692 65 |
| | <u>\$8,172 71</u> | | <u>\$8,172 71</u> |

Edward H. Whorf Fund

| March 31, 1920 | | March 26, 1921 | |
|--------------------------|-------------------|------------------------|-------------------|
| Balance in bonds | \$3,000 00 | Expenditures | \$77 21 |
| Balance in bank | 691 29 | Balance in bonds | 3,000 00 |
| Receipts from income ... | 120 00 | Balance in bank | 734 08 |
| | <u>\$3,811 29</u> | | <u>\$3,811 29</u> |

Mehitable C. C. Wilson Fund

| March 31, 1920 | | March 26, 1921 | |
|-----------------------------|-----------------|-----------------------|-----------------|
| Savings deposit | \$698 21 | Expenditures | |
| Int. on savings deposit ... | 34 64 | Balance in bank | 732 85 |
| | <u>\$732 85</u> | | <u>\$732 85</u> |

Abigail W. Howe Fund

| March 31, 1920 | | March 26, 1921 | |
|---------------------------|-------------------|------------------------|-------------------|
| Balance in bonds | \$3,000 00 | Expenditures | \$235 31 |
| Balance in bank | 176 82 | Balance in bonds | 3,000 00 |
| Receipts from income | 127 50 | Balance in bank | 69 01 |
| | <u>\$3,304 32</u> | | <u>\$3,304 32</u> |

FINES ACCOUNT

| | | | | |
|--------------------------|---------------------|--------------------------|---------------------|-----------------|
| 1920 | | Oct. | To cash from fines. | \$160 50 |
| April | To cash from fines. | Nov. | " " " " | 100 00 |
| May | " " " " | Dec. | " " " " | 165 55 |
| June | " " " " | 1921 | | |
| July | " " " " | Jan. | " " " " | 182 50 |
| August | " " " " | Feb. | " " " " | 173 50 |
| Sept. | " " " " | March | " " " " | 130 00 |
| | <u>\$860 60</u> | | | <u>\$912 05</u> |
| October | | March 26, 1921 | | |
| By cash paid City Treas- | | By cash paid City Treas- | | |
| urer | \$860 60 | urer | \$912 05 | |

REPORT OF THE BOARD OF PARK COMMISSIONERS

To the Honorable, the City Council of the City of Cambridge.
Gentlemen:—

The Board of Park Commissioners has the honor to submit herewith its twenty-eighth annual report covering the municipal year ending March 31, 1921, together with the twenty-seventh annual report of the General Superintendent of Parks, as required by Section 5 of the Ordinance establishing the Park Department.

CHARLES RIVER PARKWAY

The Act numbered 509, passed by the Legislature of 1920, and accepted by the citizens in December, 1920, transferred to the care of the Metropolitan Park Commission all park property of the city between Gerry's Landing near Cambridge Hospital and the new Cambridge Bridge, and under the care of this Commission.

CAMBRIDGE COMMON

The United States Government, in May, 1919, accepted a bid made by the Commission to restore the common to original shape previous to occupancy by the Navy department. This acceptance gave the men of the department extra work and allowed the city to make its own plans as to restoration.

The grounds were seeded, walks rebuilt and new walks laid, trees planted and dead trees removed, and to all appearances the Common suffered nothing from serving the country during the war.

SUNDAY SPORTS BILL

The legislature of 1920 also passed Chapter 240, effecting the City as to ball playing on Sunday, in our playgrounds and parks. This bill gives the baseball fans another day in the week on which to enjoy their hobby. It is an experiment, of course, and time alone will tell whether the bill is expedient or not.

BLEACHERS

The demand for bleachers at Rindge and Cambridge Fields and Mill Pond to afford those watching games at least the comfort of being seated—especially with Sunday added to baseball sports.

RUSSELL FIELD

This field is increasing in popularity each year and accordingly many repairs must be made to keep the field in good condition. The bleachers and fences need attention and a new locker building and rest room would be a great benefit.

FINANCIAL STATEMENT

MAINTENANCE—PARKS

| | |
|--|-------------|
| Amount appropriated April 1, 1920 | \$53,802 00 |
| Amount appropriated May 23, 1920 | 500 00 |
| Amount appropriated June 24, 1920 | 541 00 |
| Amount appropriated July 1, 1920 | 300 00 |
| Amount transferred from Reserve Fund | 2,707 45 |
| | <hr/> |
| | \$57,850 45 |

MAINTENANCE—FORESTRY

| | |
|--|-------------|
| Amount appropriated April 1, 1920 | 13,505 00 |
| Amount transferred from Reserve Fund | 14 61 |
| | <hr/> |
| | \$13,519 61 |

MAINTENANCE—PLAYGROUNDS

| | |
|--|------------|
| Amount appropriated April 1, 1920 | 4,365 00 |
| Amount transferred from Reserve Fund | 1,323 89 |
| | <hr/> |
| | \$5,693 89 |

A detailed classification of the expenditures will be found in the report of the General Superintendent of Parks.

Since the beginning of the work in 1893, there has been expended to date of money raised under Park and Esplanade Loans the sum of \$1,724,357.05.

The division is as follows:

| | | |
|----------------------------|--------------|--------------|
| River Parkway, Section A:— | | |
| Construction account | \$201,321 19 | |
| Land account | 9,416 83 | |
| | <hr/> | \$210,738 12 |
| River Parkway, Section B:— | | |
| Construction account | \$119,423 03 | 119,423 03 |
| River Parkway, Section C:— | | |
| Construction account | \$131,002 14 | |
| Land account | 31,702 18 | |
| | <hr/> | 163,703 22 |

| | | |
|--|--------------|------------|
| River Parkway, Section D:— | | |
| Construction account | \$132,594 13 | |
| Land account | 95,047 25 | |
| | <hr/> | 227,641 38 |
| River Parkway, Section E:— | | |
| Construction account | \$18,412 64 | |
| Land account | 67,145 00 | |
| | <hr/> | 85,557 64 |
| River Parkway, Section F:— | | |
| Construction account | \$99,444 21 | |
| Land account | 67,491 62 | |
| McNamee Square:— | | |
| Construction account | \$2,292 23 | 2,292 23 |
| River Parkway, Section G:— | | |
| Construction account | \$127,037 68 | |
| Land account | 86,824 82 | |
| | <hr/> | 213,862 50 |
| River Parkway, Section H:— | | |
| Construction account | \$13,135 30 | 13,135 30 |
| River Parkway, Delta, Cambridge Bridge:— | | |
| Construction account | 927 83 | 927 83 |
| Rebuilding Sea Walls:— | | |
| Construction account | 10,887 89 | 10,887 89 |
| Cambridge Field:— | | |
| Construction account | \$128,513 59 | |
| Land account | 78,884 85 | |
| | <hr/> | 207,398 44 |
| East Cambridge Embankment:— | | |
| Construction account | \$102,897 93 | |
| Land account | 45,231 40 | |
| | <hr/> | 148,129 33 |
| General Account:— | | |
| Construction account | \$55,352 45 | 55,352 45 |
| Rindge Field:— | | |
| Construction account | \$19,307 86 | |
| Land account | 31,461 95 | |
| | <hr/> | 50,769 71 |
| Office Expenses:— | | |
| Construction account | \$15,915 29 | 15,915 29 |
| Broadway:— | | |
| Construction account | 11,635 27 | 11,635 27 |
| Nursery:— | | |
| Construction account | 9,240 49 | 9,240 49 |
| Improvements at Rindge Field:— | | |
| Construction account | 8,877 98 | 8,788 98 |
| Floating Bath House:— | | |
| Construction account | 4,483 28 | 4,483 28 |

| | | |
|--|----------|----------------|
| Hastings Square:— | | |
| Construction account | 2,683 07 | 2,683 07 |
| Baths and Lockers:— | | |
| Construction account | 2,500 00 | 2,500 00 |
| Shower Baths and Heating Apparatus, Rindge Field:— | | |
| Construction account | 1,891 10 | 1,891 10 |
| Winthrop Square:— | | |
| Construction account | 1,866 26 | 1,866 26 |
| Dana Square:— | | |
| Construction account | 1,111 42 | 1,111 42 |
| Mill Pond:— | | |
| Construction account | 999 97 | 999 97 |
| Fort Washington:— | | |
| Construction account | 929 79 | 929 79 |
| Memorial Gateway, Cambridge Common:— | | |
| Construction account | 565 07 | 565 07 |
| Washington Elm:— | | |
| Construction account | 466 98 | 466 98 |
| Porter Square:— | | |
| Construction account | 20 87 | 20 87 |
| | | <hr/> |
| | | \$1,728,851 44 |
| Less Park Revenue for 1894 and 1896 merged into land and construction accounts | | 4,494 39 |
| | | <hr/> |
| | | \$1,724,357 05 |

Of the whole amount of Park Loans expended to April 1, 1921, 29 per cent. has been for land and 71 per cent. for construction, as follows:

| | |
|------------------------------------|----------------|
| Land account (less revenues) | \$508,710 31 |
| Construction account | \$1,215,646 74 |
| | <hr/> |
| | \$1,724,357 05 |

Respectfully submitted,

JOHN J. AHERN,
STEPHEN H. HARRINGTON,
JOHN F. SULLIVAN,
CARROLL W. DOTEN,
ALLEN W. JACKSON,
Park Commissioners.

REPORT OF THE GENERAL SUPERINTENDENT OF PARKS

April 1, 1921.

To the Board of Park Commissioners,
City of Cambridge
Massachusetts.

Gentlemen:—

I have the honor to submit my Fourteenth Annual Report for the financial year beginning April 1, 1920 and ending March 31, 1921.

RIVER PARKWAY

The following Bill was passed by the State Legislature and approved by the Governor on May 20, 1920:

(CHAP. 509)

“AN ACT TO PROVIDE FOR THE TRANSFER TO THE METROPOLITAN DISTRICT COMMISSION OF CERTAIN PARK LAND IN THE CITY OF CAMBRIDGE.

Be it enacted, etc., as follows:

Section 1. The Mayor of the City of Cambridge is hereby directed to convey to the Commonwealth of Massachusetts by deeds approved by the attorney-general, certain park lands situated in and belonging to the city of Cambridge bordering on Charles River and extending to the south and west from the Cambridge bridge to land now controlled by the Metropolitan District Commission, with the exception of the inner and northerly of the two parkway roads between the Cambridge bridge and the Harvard bridge, but including the two lots lying between Brookline and Magazine Streets and bounded northerly by Granite Street and a passageway.

Section 2. Upon the conveyance of the said lands as provided in section one, the Metropolitan District Commission shall have all the powers and duties in respect thereto conferred upon the Metropolitan Park Commission by chapter four hundred and seven of the acts of Eighteen Hundred

and Ninety-three and acts in addition thereto and in amendment thereof.

Section 3. This act shall be submitted to the voters of the City of Cambridge at the next city election in the form of the following question to be placed upon the ballot: "Shall an act passed by the general court in the current year directing the city to convey certain park lands to the Commonwealth of Massachusetts for park purposes, be accepted?" If a majority of the voters thereon vote in the affirmative, then this act shall take effect; otherwise it shall not take effect.

Section 4. When this act shall have been accepted as provided in section three and said conveyance shall have been made as provided in section one, the Metropolitan District Commission may expend for the maintenance of the said lands, out of the Metropolitan Parks Maintenance Fund, such amounts as the commission may deem necessary until an appropriation shall have been made therefor by the general court. (Approved May 25, 1920.)"

At the City Election on December 9, 1921, vote was taken on this bill, the result showing 12,484 in favor of it and 4,201 against it, thus proving that the citizens of Cambridge approved of turning this property over to the Metropolitan District Commission. On January 17, 1921, through the office of the City Solicitor, all deeds, permits and official papers were given to said Commission.

The total cost of this property to the City was \$1,724,357.05

SECTION A

The usual work of maintenance was performed during the season, this including cutting of the grass, caring for the shrubs, etc. Small necessary repairs were made on the 70-foot roadway.

Permits were issued by your Board to William Filene Sons Company for the purpose of occupying the sidewalk from the Arthur D. Little Building to Main Street. The Company is erecting a new building on the triangular piece of land bounded by the Parkway, Main Street, and the Arthur D. Little Building. This building will not only be a revenue to the city, but will also serve to make this corner much more attractive than it is at present.

The cost of lighting this section was \$1,148.49.

SECTION B

Four men were constantly employed on this Section during the season, their work consisting of taking care of the grass, shrubs, etc. Some small repairs were made on the roadway as well as oiling and sanding it.

The cost of lighting this section was \$618.54.

SECTION C

The work performed on this Section included the oiling and sanding of the roadway, the taking care of the ribbon strips and the re-planting of fourteen (14) new trees.

The cost of lighting this section amounted to \$520.51.

SECTION D

The roadway was repaired, oiled and sanded; the ball field was cleaned and rolled; the bleachers repaired and painted; the shrubs, grass and trees received the necessary attention.

The work on the Lawn Tennis Court, which was begun last year, was continued into this year. Three hundred (300) yards of cinders and four hundred (400) yards of clay were purchased, laid, levelled and graded. A rolling in the spring will suffice to make this court ready for use.

The Bathhouse was opened June 25 and was closed September 7. The usual attendants were employed, namely, eight men and four women.

Seventy-three (73) dozen of new towels and twenty (20) dozen suits were purchased. The laundry work was taken care of by the Commonwealth Laundry.

The pole for the electric light on the beach was replaced. Six (6) new electric lights were put in the Brick Building.

On account of the fact that the sewer pipe in the main building became stopped, it was necessary to rip up the concrete floor in order to repair it.

The receipts of the season amounted to \$2184.93 against an expenditure of \$5300.48.

One of the life-guards, while on duty, in diving off the raft came in contact with a broken bottle which had been thrown overboard and received a very severe cut. The result was that the said young man was incapacitated for the remainder of the

season. Compensation was paid him amounting to \$70.02 and doctor's bills in the sum of \$65.00.

The cost of lighting this section amounted to \$404.05.

SECTION E

The grass on the ribbon strips was cut by the mmen of Section D. The roadway was repaired, oiled and sanded.

The cost of lighting amounted to \$183.79.

SECTIONS F, G and H

Five men were employed on these sections during the spring and summer months taking care of grass, shrubs, and the trees. The roadway on these sections is in good condition and with the exception of a few small holes, which were repaired, its present condition will carry it through another year.

The Bathhouse at Gerry's Landing was opened on June 26 and closed on September 7. A Voting Booth was procured for the use of women and girls. As I said in my report of last year, this voting booth is very satisfactory and a new building should be erected for the women and girls. As this is part of the property that was turned over to the Metropolitan District Commission, they will undoubtedly erect a suitable building for this purpose.

The cost of lighting this section amounted to \$517.76.

LONGFELLOW PARK

It was this year necessary to keep a man constantly employed on these grounds as considerable winter work had to be performed such as, cleaning the board-walk of snow and ice, and making a general alteration on the grounds. A new hemlock hedge was planted on the westerly side of the small lot bordering on Mt. Auburn Street. These, when grown, will supplant the Lombardy poplars that have become an eye-sore.

CAMBRIDGE COMMON

On April 5, reconstruction work was started on this Park.

Estimates in the sum of \$13,123 for doing this work was submitted by the City and accepted by the Government in May, 1919. The money was not received until January, 1920, which was too late in the season to start work. This, however, was commenced in April of this same year, by which time labor rates and raw ma-

terials had advanced so that the amount previously estimated was then insufficient to cover the actual cost. In addition to this, there was further expense involved because of the fact that a tremendous amount of refuse and rubbish was left on the grounds by the contractors, this resulting from the tearing down of the war buildings. In view of the fact that the cost of dispensing with this surplus was not figured into the City's Estimate this matter was called to the attention of the Government officials. This was without result, however, and the City was obliged to also assume the responsibility.

On April 20, bids were opened covering the supplying of 3000 cubic yards of loam. There were six bidders, out of whom Thomas J. MacCue was the lowest at \$1.70 per cubic yard. This was considered to be a fair price and award was made accordingly.

A tractor was hired at \$30.00 per day, this figure including the services of an operator. In this way the ploughing, harrowing and scooping was most efficiently provided for, as the maximum work was accomplished because of the fact that the machine was in motion every minute and no time was lost in turning at either end, as would necessarily take place in the event of horses being used.

The entire grounds, including the ball field, were covered with good loam for a depth of 6 inches, there being 3950 yards required to do this work.

Eighteen (18) of the old dilapidated trees were removed and seventy-three (73) young Norway Maples planted.

The walks around the border were brought up to grade by means of cinders. Grass seed was sown. The fence around the Common was repaired and painted. A board-walk was laid from Waterhouse Street to Cambridge Street, the lumber used being some that was left by the U. S. Government. The balance then on hand was sold to the Sewer Department.

The Common is now in first-class condition and with the repairing of the granolithic walk it should not require any extraordinary out-lay for a good many years.

PUBLIC LIBRARY

The usual attention was given to the grounds around this building, one man being employed taking care of the grass, trees and shrubbery.

BROADWAY COMMON

No improvement over the previous unsatisfactory condition of last year was affected during the season. The lawns are being used for all kinds of games and of course this detracts greatly from the general appearance of the Common.

The fence around the small Playground was broken down in several places and this necessitated repairing.

HASTINGS AND DANA SQUARES AND FORT
WASHINGTON

These small recreation centers received the usual care. The shrubbery beds at Hastings Square were re-planted and are now in good condition.

RUSSELL FIELD

Three new arc lights were installed on this field. This was done in order to meet the requirements of the different societies who hire it. In view of the fact that the minimum charge for the use of the field is \$250, it was deemed only fair that these lights should be installed.

As stated in my report of last year, the fence posts and bleacher seats are in poor condition. Appropriation should be provided to permit of this work being done.

Some slight repairs were made during the year, including plumbing alterations in the shower baths.

RINDGE FIELD

Two new tennis nets were purchased for the Lawn Tennis Court. This court is well patronized during the Summer evenings. Some slight repairs were made in the lavatories; the ceiling in the Shower Baths should be re-placed either with a similar or a concrete one. I believe the latter would be more serviceable as it would stand up under action of the steam much better and longer.

The field received the usual care. The outside of the building should be painted and the roof repaired. About 120 feet of chain link fence were erected on the boundary line around Pemberton Street and the Playground. This will prevent the children who use the playground from trespassing on private property.

The ball field was oiled.

CAMBRIDGE FIELD AND SHELTER

Conditions here are growing worse. Those who make use of the Field seem to have no regard for trees, shrubs or grass. The large and beautiful lawn in front of the building has been trampled upon so much that the grass has been entirely eliminated. Several of the shrubbery beds are destroyed. The eighteen hundred shrubs that were planted in the beds along Cambridge Street last year were never given an opportunity to grow, but were trampled to death before they were even given a chance to grow. It is useless to try and maintain shrubs in these beds and my recommendation would be to brick these beds in conformity with the walk already there.

The backstop was repaired, new bases and plate purchased and the field flooded for skating. This latter sport was enjoyed by a large number of people for thirty-seven (37) days.

The slides in the Girls' Playground were repaired, the foundation of the building was re-painted and some small repairs were made in the lavatories and shower baths.

The field was oiled once during the season. This is not sufficient to lay the dust; it should at least have two oilings during the season.

THORNDIKE FIELD

The slides in the Children's Playground were repaired; the field oiled and rolled; the broken fence repaired, as well as the swings.

The field in general is kept in fair condition, as good as could be expected with but one man being employed. I believe the time is coming when the services of two men will be required as this field is fast becoming a very compomolitan district and it is continually in use. At present, there is no one there to offer protection in the evenings. The man employed goes to work at 8 A. M. and leaves at 5 P. M., after which hour there is no one to take interest. If another man were employed from 2 P. M. until 10 P. M., this would give the field protection all the time.

MILL POND

This is one of the most popular playgrounds in the city. Baseball, football and soccer ball are all enjoyed on the field. The large and small swings are constantly in use as well as the skat-

ing rink for small children during the winter months. These all serve to make it a very busy field and I would recommend that an appropriation be made to cover the cost of furnishing bleachers which are very much needed.

SHADE TREES

Three hundred new trees were planted on the different streets throughout the city, some to replace those that had died and others planted for the first time. One hundred and twenty-two dead trees were removed, 485 trees trimmed. Many of the old American Elms are dying on account of the action of the various moths and the macadamized streets. The latter carries all the water to the sewers, thereby preventing them from receiving the necessary moisture. Four men and one foreman are constantly employed on this work.

BROWN TAIL AND GYPSY MOTHS

The usual work of creosoting the egg nests and removing the webs from the Brown Tail during the winter months, was done. All the trees were sprayed in the spring and the spraying machine was repaired.

I am pleased to report that the moths are well under control and the trees, for the most part, in splendid condition.

The following act permitting Sunday sports was passed by the State Legislature and approved by the Governor on April 5, 1920:—

“CHAPTER 240

The Commonwealth of Massachusetts

In the Year One Thousand Nine Hundred and Twenty

An Act to permit, under Public Regulation and Control, Certain Sports and Games on the Lord's Day.

Whereas, It is highly desirable that this act should take effect immediately, in order that its benefits may be enjoyed during the summer months of the current year, therefore it is hereby declared to be an emergency law, necessary for the immediate preservation of the public convenience.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

Section 1. In cities and towns which accept the provisions of this act it shall be lawful to take part in or to witness any amateur athletic outdoor sport or game on the Lord's Day between the hours of two and six in the afternoon as hereinafter provided.

Section 2. Such sports or games shall take place on such public playgrounds, parks or other places as may be designated for that purpose in a permit or license issued by the Mayor and City Council or body exercising similar powers in cities or by the selectmen in towns: provided, that if, under any statute or ordinance a public playground or park is placed under the exclusive charge and authority of any other officials, such officials shall, for that playground or park, be the licensing authority; and provided, further, that no sport or game shall be permitted in a place, other than a public playground or park, within one thousand feet of any regular place of worship.

Section 3. The said sports or games shall be conducted subject to such regulations and restrictions as shall be prescribed by the Mayor and City Council or body exercising similar powers in cities and by the selectmen in towns, and the same shall be stated in the license or permit.

Section 4. This act shall not be construed to prohibit participation at other hours on the Lord's Day in other outdoor exercise not involving the element of contest, nor shall it be construed to permit horse racing, automobile racing, boxing or hunting with firearms.

Section 5. No admission fee shall be charged directly or indirectly, and no business or other enterprise shall be conducted, and no collection shall be made at any such sport or games.

Section 6. The respective authorities described in Section Two may at any time and without previous notice revoke permits to conduct the said sports or games if they have reason to believe that any provision of this act, or any regulation or restriction prescribed under Section Three, is being or will be violated.

Section 7. For the purposes of this act an "amateur" sport or game is defined to be one in which the contestants do not receive and have not been promised any pecuniary reward, remuneration or consideration whatsoever, directly or indirectly in connection therewith.

Section 8. This act shall take effect for the current year in any city upon its acceptance by the Mayor and City Council or body exercising similar powers, and upon its acceptance by a majority of the voters of any city voting thereon at the municipal election in the current year, or in any subsequent year, it shall take permanent effect in such city, subject to the provisions of Section Nine. At every city election in the current year, the question of such acceptance shall be submitted to the voters, but in any subsequent year said question shall be submitted only upon a petition signed and filed as provided in Section Nine. It shall take effect in any town upon its acceptance by a majority of the voters voting thereon at an annual or special town meeting, and the Selectmen of a town shall, upon the petition of not less than ten per cent of the registered voters thereof, call a special town meeting for the purpose of voting upon such acceptance.

Section 9. In any city or town the voters of which have accepted this act as above provided, the act shall again be submitted to the voters at the municipal election held in any year subsequent to the year in which the act was so accepted, provided that a petition to that effect, signed by not less than ten per cent of the voters, if filed with the city or town clerk not less than thirty days before the election. If, upon such re-submission a majority of the voters voting thereon vote against the act, it shall cease to have effect in that city or town until re-accepted by the voters as hereinbefore provided.

House of Representatives, April 1, 1920.

Preamble adopted, Joseph E. Warner, Speaker.

In Senate, April 1, 1920.

Preamble adopted, Edwin T. McKnight, President.

House of Representatives, April 1, 1920.

Bill passed to be enacted, Joseph E. Warner, Speaker.

In Senate, April 1, 1920.

Bill passed to be enacted, Edwin T. McKnight, President.
April 2, 1920.

Approved,

at 12 o'clock and 56 minutes, P. M.

Calvin Coolidge.

The Commonwealth of Massachusetts

Office of the Secretary

Boston, April 5, 1920.

A true copy.

Witness the Great Seal of the
Commonwealth.

(s) Albert P. Langtry,
Secretary of the Commonwealth.

At the City Election on December 7, 1920, this act was submitted to the voters and was accepted, with the following result:

1208—Yes

465—No

THE YEAR'S EXPENDITURES

The expenses of the department for the financial year of 1920 are shown in the following summary of the departmental accounts.

MAINTENANCE GENERAL—PARKS

| | |
|--|-------------|
| Amount appropriated April 1, 1920 | \$53,802 00 |
| Amount appropriated May 28, 1920 | 500 00 |
| Amount appropriated June 24, 1920..... | 541 00 |
| Amount appropriated July 1, 1920 | 300 00 |
| Amount transferred from Reserve Fund | 2,707 45 |
| | <hr/> |
| | \$57,850 45 |

EXPENDED

RIVER PARKWAY, SECTIONS A, B, C, D, E, F, G and H

Section A:

Lighting: \$1,148 49

Section B:

| | | |
|----------------------------|----------|------------|
| Lighting | \$618 54 | |
| Pay-rolls | 2,540 37 | |
| Repairing roadway | 158 17 | |
| Making new raft | 664 68 | |
| Repairing iron fence | 242 93 | |
| | <hr/> | \$4,224 69 |

Section C:

Lighting \$520 51

Section D:

| | | |
|-----------------------------|----------|------------|
| Lighting | \$404 05 | |
| Pay-rolls | 1,968 23 | |
| Repairs roadway | 48 63 | |
| Repairs bleachers | 119 43 | |
| Cinders on ball field | 313 00 | |
| | <hr/> | \$2,853 34 |

Section E:

Lighting: \$183 79

Section F:

Lighting \$337 03

Sections G and H:

| | | |
|-----------------------|----------|------------|
| Lighting | \$517 76 | |
| Pay-rolls | 2,304 00 | |
| Teaming | 60 00 | |
| Repairs roadway | 43 82 | |
| | <hr/> | \$2,995 88 |

LONGFELLOW PARK

| | | |
|-----------------|----------|------------|
| Lighting | \$75 67 | |
| Pay-rolls | 1,315 00 | |
| Trees | 98 00 | |
| | <hr/> | \$1,488 67 |

Amount carried forward \$13,752 40

PARK DEPARTMENT

431

Amount brought forward \$13,752 40

TENNIS COURTS

Gravel \$600 00

HASTINGS SQUARE

Shrubs \$144 30

RUSSELL FIELD

| | | |
|------------------------------|------------|------------|
| Pay-rolls | \$2,936 75 | |
| Installing electricity | 545 37 | |
| Gas consumed | 48 26 | |
| Plumbing repairs | 34 80 | |
| Lumber | 34 58 | |
| Coal | 44 99 | |
| Bases | 9 21 | |
| Hardware | 1 23 | |
| Lime | 2 74 | |
| | | <hr/> |
| | | \$3,657 93 |

THORNDIKE FIELD

| | | |
|------------------------|------------|------------|
| Pay-rolls | \$1,638 00 | |
| Lighting | 92 73 | |
| Repairing slides | 56 79 | |
| Hardware, tools | 6 11 | |
| | | <hr/> |
| | | \$1,793 63 |

WARD EIGHT PLAYGROUND

Apparatus \$130 15

MILL POND

| | | |
|-----------------|------------|------------|
| Pay-rolls | \$1,534 00 | |
| Bases | 9 33 | |
| | | <hr/> |
| | | \$1,543 33 |

SALARIES

| | | |
|-------------------------------|------------|------------|
| Superintendent of Parks | \$2,900 01 | |
| Clerk and Bookkeeper | 1,578 00 | |
| Temporary Clerk | 107 50 | |
| | | <hr/> |
| | | \$4,385 51 |

TELEPHONE EXCHANGE

Share of expense \$243 96

COMMONS, SQUARE AND PUBLIC GROUNDS

| | | |
|------------------------|------------|-------|
| Pay-rolls | \$7,234 94 | |
| Lighting | 365 04 | |
| Lumber | 58 80 | |
| Steam roller use | 21 94 | |
| Cinders and sand | 34 76 | |
| Grass seed | 17 80 | |
| Stakes | 90 00 | |
| | | <hr/> |

Amount carried forward \$26,251 21

| | | |
|------------------------------|--------|-------------|
| Amount brought forward | | \$26,251 21 |
| Flags | 32 60 | |
| Sharpening tools | 62 33 | |
| Advertising | 4 41 | |
| Housing topmasts, etc. | 191 10 | |
| Signs | 30 00 | |
| Teaming | 72 00 | |
| Hardware, tools | 94 78 | |
| | <hr/> | \$8,309 50 |

RINDGE FIELD AND SHELTER

| | | |
|-------------------------|------------|------------|
| The Field | | |
| Pay-rolls | \$1,320 50 | |
| Lighting | 102 63 | |
| Tennis nets | 58 60 | |
| Bases | 9 20 | |
| | <hr/> | \$1,490 93 |
| The Shelter | | |
| Pay-rolls | \$2,496 00 | |
| Coal | 266 94 | |
| Laundrying towels | 115 10 | |
| Supplies | 24 98 | |
| Plumbing repairs | 20 43 | |
| Lighting | 7 83 | |
| | <hr/> | \$2,931 28 |
| | | <hr/> |
| | | \$4,422 21 |

CAMBRIDGE FIELD AND SHELTER

| | | |
|----------------------------|------------|------------|
| The Field | | |
| Pay-rolls | \$3,288 57 | |
| Lighting | 405 40 | |
| Slides | 63 72 | |
| Bases and plates | 19 25 | |
| Couplings for hose | 24 50 | |
| Lumber | 13 01 | |
| Hardware, tools, etc. | 9 10 | |
| Cement | 4 50 | |
| | <hr/> | \$3,828 05 |
| The Shelter | | |
| Pay-rolls | \$4,841 00 | |
| Laundrying towels | 118 06 | |
| Toilet paper | 39 20 | |
| Lighting | 38 07 | |
| Hardware | 60 45 | |
| Supplies | 23 44 | |
| Repairs | 17 71 | |
| Coal | 634 96 | |
| Repairs foundation | 85 26 | |
| Lime | 5 63 | |
| | <hr/> | \$5,863 78 |
| | | <hr/> |
| | | \$9,691 83 |

PAINTING FENCES

| | | |
|------------------------------|----------|-------------|
| Paint for fences | \$122 50 | |
| | <hr/> | |
| Amount carried forward | | \$48,797 25 |

Amount brought forward \$48,797 25

OIL FOR PLAYGROUNDS

Oil used \$2,213 98

WARD SEVEN BATH HOUSE, MAGAZINE BEACH

| | | |
|--|------------|------------|
| Pay-rolls | \$3,228 57 | |
| New towels | 350 35 | |
| New suits | 521 87 | |
| Laundering suits, towels, etc. | 615 46 | |
| Electric lights in waterfi installation..... | 230 95 | |
| Medical aid, injured employee | 65 00 | |
| Compensation injured employee | 70 02 | |
| Supplies | 88 99 | |
| Printing | 12 25 | |
| Medicinal supplies | 17 18 | |
| Repairs building | 29 89 | |
| Disconnecting lights in water | 16 07 | |
| Electrical work in brick building | 84 19 | |
| Plumbing repairs | 103 12 | |
| | | \$5,433 91 |

GERRY'S LANDING HOUSE

| | | |
|-----------------------------|----------|----------|
| Pay-rolls | \$575 81 | |
| Moving portable house | 166 26 | |
| Teaming | 12 00 | |
| Repairs plumbing | 6 03 | |
| Water off and on | 1 00 | |
| Medicinal supplies | 2 70 | |
| | | \$763 80 |

FLOATING BATH HOUSE

| | | |
|------------------------|----------|----------|
| Towing house | \$137 20 | |
| Repairing wall | 37 93 | |
| Pay-rolls | 428 28 | |
| Repairs to house | 38 10 | |
| | | \$641 51 |

Total amount expended \$57,850 45

MAINTENANCE—CAMBRIDGE COMMON

| | |
|--|--------------------|
| Amount appropriated April 1, 1920, (this being amount allowed by U. S. Government for restoration) | \$13,123 00 |
| Amount transferred from Reserve Fund | 651 25 |
| | <u>\$13,774 25</u> |

EXPENDED

| | | |
|-----------------------------|------------|--------------------|
| Pay-rolls | \$5,437 05 | |
| Loan | 6,716 60 | |
| Grass seed | 102 05 | |
| Tools | 97 59 | |
| Use of tractor | 715 34 | |
| Teaming | 348 00 | |
| Advertising | 18 12 | |
| Cinders | 340 00 | |
| Total amount expended | | <u>\$13,774 25</u> |

MAINTENANCE—FORESTRY

| | |
|--|-------------|
| Amount appropriated April 1, 1920 | \$13,505 00 |
| Amount transferred from Reserve Fund | 14 61 |

 \$13,519 61
EXPENDED
BROWN TAIL MOTH EXTERMINATION

| | |
|--------------------------------|------------|
| Pay-rolls | \$4,316 91 |
| Repairs spraying machine | 102 23 |
| Arsenate of Lead | 184 43 |
| Creosote | 12 23 |
| Advertising | 5 88 |
| Hardware, tools, etc. | 6 86 |
| Printing | 14 70 |

 \$4,643 24

SHADE TREES

| | |
|----------------------------|----------|
| Trees | \$522 02 |
| Arsenate of Lead | 180 81 |
| Sharpening Saws | 33 61 |
| Loam | 187 30 |
| Pay-rolls | 4,429 54 |
| Teaming | 318 00 |
| Hardware, tools, etc. | 162 95 |
| Hose for tying trees | 2 94 |
| Poles for trees | 39 20 |

 \$8,876 37

 Total amount expended \$13,519 61

MAINTENANCE—PLAYGROUNDS

| | |
|--|------------|
| Amount appropriated April 1, 1920 | \$4,635 00 |
| Amount transferred from Reserve Fund | 1,058 89 |

 \$5,693 89

EXPENDED

Salaries

| | |
|---|------------|
| Salaries of instructors and teachers..... | \$3,782 15 |
| Salaries of Janitors | 380 00 |

 \$4,162 15

General Expenses

| | |
|-------------------------------------|----------|
| Car tickets and hire of cars | \$100 00 |
| Baseballs, bats, etc. | 1,018 78 |
| Medals and blouses for prizes | 126 42 |
| Teaming | 11 76 |
| Reed, raphia, etc. | 147 92 |
| Cheese cloth, etc. | 25 43 |
| Rent of use of building | 20 00 |
| Sand | 18 67 |
| Flags and kites | 12 94 |
| Slides | 24 50 |
| Printing | 5 88 |
| Miscellaneous .. | 19 44 |

 \$1,531 74

 Total Amount \$5,693 89

Respectfully submitted, JOHN F. DONNELLY,
General Superintendent of Parks.

REPORT OF THE SUPERINTENDENT OF PLAYGROUNDS

The Board of Park Commissioners, Cambridge, Massachusetts:

Gentlemen:—Inasmuch as no great opportunity has been permitted for an expansion of the work of other years, this report is necessarily brief. Playgrounds were opened for the eight weeks' season at Thorndike Field, Cambridge Field, Broadway Common, High and Latin School, Ward 8, Cambridge Common and Rindge Field. For the boys the customary features of league baseball and interplayground track meets were successfully continued. The appointment of a special teacher in folk-dancing for girls was omitted this year. The instruction in dancing was given by the individual teachers themselves and was very well done indeed. This task, however, is too much of a handicap in the general conduct of play, and I favor a return to the uniform instruction by a special teacher as in other years.

During the final week of the season each playground presented its own little exhibition of playground work for the benefit of parents and others interested. The award of prizes and the final events of the intersectional athletic meets were hld at Thorndike Field on the closing day, with about eight hundred children participating.

In other years I have gone somewhat into detail on recommendations for what might be termed the physical improvement of the playgrounds. In view of the conferences held throughout the year by the Mayor's Committee on Recreation, I am taking the liberty of introducing, with no intention whatever of appearing critical, suggestive comment on the proposed solution of our recreational problems. I am constrained to do so from the fear, perhaps, that the playground work itself may eventually suffer by the diverting of what would ordinarily be playground funds into the channels of recreation for adults. This can ill afford to be done.

If I have understood correctly, it is the hope of the Mayor's Committee that a new recreation commission be appointed. The scope of the work to be done by such a commission would be so broad that all—or at least a very great part—of that which now very properly comes under the head of Americanization and School Center work would be included in the work of the new commission.

As far as I know, no criticism has been made against the manner in which the work mentioned is being done. Encroachment on the province of another municipal department would inevitably lead to similar conflicts of opinion that resulted in the dissolution of the old Play and Recreation Commission appointed in 1911.

Relieved of the maintenance and care of the park lands on the river front, the present Board of Park Commissioners certainly is more than ever in a position to take care of any problem in Recreation. The question is simply one of appropriation and the appointment of a newer or a larger Board would result in a repetition of work already done and in the setting up of new municipal machinery to replace other that is functioning as fully as the funds at its disposal will permit.

In Thorndike Field, Cambridge Field, Mill Pond and Rindge Field, the Board has four large areas which would serve as excellent bases from which to develop Community Recreation. Additions to the present buildings at Rindge and Cambridge Fields and new buildings at Mill Pond and Thorndike Field would be needed, of course, if real community center work, in the full sense of the word were to be undertaken. From such centers the assistance of such agencies as the Anti-Tuberculosis Society, Red Cross, etc., could be effectively directed. I suggest that a sub-committee of the Board be appointed to make a study of the possibility of such an undertaking and in addition to make such recommendations as may seem necessary for the development of more play areas in the neighborhood of public and parochial schools. It seems fitting too that whatever plans are to be made for the playground work should be begun in early spring. There ought to be at least one or two conferences between the Chairman of the Board, the Superintendent of Parks and the Supervisor of Playgrounds early in April, so that whatever repair or construction work is to be recommended may be discussed and completed before the playgrounds are opened. Attention is respectfully called to the recommendations made in reports of other years and still awaiting the consideration of the Board. Acknowledgement is made herewith of the cordial help of the Secretary of the Board and the Superintendent of Parks.

Respectfully submitted,

December 31, 1921.

T. F. DOWNEY,
Supervisor of Playgrounds.

ANNUAL REPORT OF THE CHIEF OF THE FIRE DEPARTMENT

To the Honorable, the City Council:

Gentlemen:—I have the honor to present herewith, in compliance with the requirements of Section No. 6 of the City Ordinance, the annual report of the Fire Department for the year ending March 31, 1921.

A record of the Department will be found in this report showing the number of alarms to which response has been made, with the losses resulting therefrom; also the number and kind of improvements made during the year 1920-1921, together with recommendations for improvements that are necessary.

During the year commencing April 1, 1920, and ending March 31, 1921, the Department responded to 780 alarms, of which 639 were actual fires, being 73 more than the preceding year.

The total losses, together with the insurance and the amount of insurance paid, were as follows:

| | Loss | Insurance | Insurance Paid |
|-----------------|--------------|----------------|----------------|
| Buildings | \$225,132.91 | \$7,041,584.18 | \$221,749.91 |
| Contents | 206,771.94 | 1,178,676.00 | 158,519.47 |

Making a total loss of \$18,360.97 less than the previous year.

During the year the following improvements have been made:

One combination hose and chemical motor driven truck was purchased to take the place of the horse drawn wagon connected with Engine No. 3; one city service ladder truck motor driven to take the place of the horse drawn truck at Ladder House No. 4; one motor driven chemical engine with two (2) fifty gallon and one (1) forty gallon chemical tanks on, to take the place of the horse drawn chemical located at Chemical No. 1 house; also one new Buick roadster to be used as a spare car.

GENERAL EXPENSES

Salaries
\$296,982.54

New Apparatus
\$28,755.00

General Expense
\$31,040.60

The following amounts have been turned over to the City

Treasurer:

| | |
|---|------------|
| Revenue received from gasoline permits | \$715.00 |
| Revenue received from firecracker permits | 31.50 |
| Revenue received from sale of old horses | 434.90 |
| Revenue received from sale of old junk | 3.25 |
| | <hr/> |
| | \$1,184.65 |

RECOMMENDATIONS

I would again renew my recommendation that a suitable lot of land be purchased and a building erected thereon to house Engine No. 1 and Ladder No. 1, now located in the Brattle Square building; also that land be purchased and a building erected thereon to take the place of the engine house now located in Lafayette Square, as this house is too large for the purpose and the location is too valuable to be used as an engine house.

I also renew my recommendation that a building be erected on the land owned by the city, adjoining the Ladder House located on Portland Street, the same to be used for a repair shop for the Fire Department, and also the erection of a drill tower so that the men may be drilled and become more efficient in their work as firemen.

INSPECTIONS

During the year 15,648 inspections have been made by the members of the department, and it is my opinion that these inspections have greatly reduced the hazardous conditions that have existed on account of the people becoming careless.

CONCLUSION

To His Honor, the Mayor and City Council, I desire to extend my thanks for their interest in matters pertaining to the Fire Department.

I also wish to thank the officers and members of the department for their prompt and efficient manner in which they have performed their duty.

Respectfully submitted,

JAMES M. CASEY,
Chief of Fire Department.

FIRE DEPARTMENT ROSTER

| Badge | Name | Rank | Residence |
|-------|----------------------|------------------|----------------|
| | James M. Casey | Chief | 353 Huron Ave. |
| | Cutler L. Vose | Deputy Chief ... | 452 Broadway |

CHIEF'S CLERK

| Badge | Name | Rank | Residence |
|-------|-------------------------|--------------------|------------------|
| 100 | James J. Clifford | Lieutenant | 2 Ellsworth Ave. |
| | | Chief's Clerk | |

SUPERINTENDENT OF REPAIRS

| Badge | Name | Rank | Residence |
|-------|-------------------------|-------------------|---------------|
| 18 | William J. Reilly | Supt. of Repairs. | 40 Maple Ave. |
| | | Lieutenant | |
| | Joseph P. Flynn | Mechanician | 71 Inman St. |
| | | Civilian Employee | |

CHIEF'S DRIVERS

| Badge | Name | Rank | Residence |
|-------|-----------------------|-------------------|-------------------|
| 48 | George A. Regan | Chief's Chauffeur | 84 Pemberton St. |
| 22 | George H. Friel | Chief's Chauffeur | 31 Portsmouth St. |

ENGINE CO. NO. 1

Second size Amoskeag engine, drawn by three horses. Capacity 900 gallons per minute; has been in service since 1883. New boiler, 1912. Hose wagon drawn by two horses, with 800 feet of 2½ inch hose and other equipment.

| Badge | Name | Rank | Residence |
|-------|----------------------------|------------------|----------------------|
| 5 | Daniel E. Shea | Captain | 65 Putnam Ave. |
| 131.. | Richard J. Doyle..... | Lieutenant | 104 Fayerweather St. |
| 63 | Thomas H. McCourt | Engineer | 59 Rindge Ave. |
| 4 | Hiram W. Hooker | Asst. Engineman. | 51 Fayette St. |
| 118 | William H. C. Acford | Private | 14 Carlisle St. |
| 75 | Leo A. Diehl | Private | 9 Gardner St. |
| 121 | John J. Flavin | Private | 108 Mt. Auburn St. |
| 160 | William T. Anderson | Private | 136 Huron Ave. |
| 47 | Francis Jefferson | Private | 136 Mt. Auburn St. |
| 138 | Thomas F. Sullivan | Private | 22 Meacham Rd. |
| 139 | Patrick F. Burns | Private | 243 Western Ave. |
| 140 | George A. Ryan | Private | 79 Putnam Ave. |

ENGINE CO. NO. 2

First size Amoskeag engine, tractor drawn; capacity 900 gallons a minute; has been in service since 1891. New boiler, 1908. Combination hose and chemical auto. Built by the American LaFrance Fire Engine Co. Put in service October, 1919.

| Badge | Name | Rank | Residence |
|-------|--------------------------|------------------|------------------|
| 62 | John H. Dardis | Captain | 81 Prospect St. |
| 77 | Dennis R. Sullivan | Lieutenant | 210 Columbia St. |
| 2 | Charles A. Cairns | Engineer | 384 Mass. Ave. |
| 6 | T. H. Drummond | Asst. Engineman. | 11 Appleton Rd. |

| | | | |
|-----|--------------------|---------|------------------|
| 84 | Thomas H. Anderson | Private | 15 Watson St. |
| 78 | Charles A. Olsen | Private | 384 Mass. Ave. |
| 33 | William J. Connors | Private | 384 Mass. Ave. |
| 29 | Patrick J. Hayes | Private | 24 Columbia St. |
| 15 | Thomas L. Galvin | Private | 72 Elm St. |
| 93 | John J. Murphy, 2d | Private | 195 River St. |
| 155 | David J. Ryan | Private | 254 Franklin St. |
| 73 | John J. Ford | Private | 130 Elm St. |

ENGINE CO. NO. 3

Second size Amoskeag engine, tractor drawn; capacity 700 gallons per minute; has been in service since 1872. New boiler, 1918. Combination hose and chemical auto. Built by the American LaFrance Fire Engine Co. Put in service October, 1919.

| Badge | Name | Rank | Residence |
|-------|------------------------|------------------|--------------------|
| 27 | Frank M. McGrath | Captain | 146 Spring St. |
| 30 | William F. Newman, Sr. | Lieutenant | 29 Rindgefield St. |
| 12 | William L. McCusker | Engineer | 40 Williams St. |
| 19 | Cornelius O'Connell | Asst. Engineman. | 79 Spring St. |
| 115 | John J. O'Callahan | Private | 36 Tremont St. |
| 120 | Daniel J. Holleran | Private | 186 Hampshire St. |
| 3 | Edward F. Looney | Private | 15 Marney St. |
| 35 | Charles F. O'Connor | Private | 13 Palermo St. |
| 82 | William F. Bulger | Private | 11 Palermo St. |
| 22 | Francis H. Belcher | Private | 38 Third St. |
| 142 | John F. Stanton | Private | 401 Cambridge St. |
| 141 | Francis J. Sweeney | Private | 74 Otis St. |

ENGINE CO. NO. 4

A Triple Combination Pump, Hose and Chemical, with a capacity of 750 allgons per minute, with all necessary equipment. Put in service July, 1917. Built by the American LaFrance Fire Engine Co.

| Badge | Name | Rank | Residence |
|-------|----------------------|------------|--------------------|
| 53 | George L. Church | Captain | 1293 Cambridge St. |
| 119 | Walter E. Chapman | Lieutenant | 13 Regent St. |
| 42 | John T. Henderson | Engineer | 2 Orchard St. |
| 57 | Frank J. Murray | Private | 4 Warwick Park |
| 25 | Walter L. Allen | Private | 2 Cambridge Ter. |
| 10 | William J. Coyne | Private | 220 Elm St. |
| 122 | Thomas J. King | Private | 14 Fayette St. |
| 143 | Thomas J. Lovett | Private | 11 Traymore St. |
| 144 | John J. Lucy | Private | 37 Cresent St. |
| 101 | Edward J. Fitzgerald | Private | 144 Spring St. |

ENGINE CO. NO. 5

A Triple Combination Pump, Hose and Chemical, with a capacity of 1000 gallons per minute, with all necessary equipment. Put in service February, 1918. Built by the American LaFrance Fire Engine Co.

| Badge | Name | Rank | Residence |
|-------|---------------------|------------|--------------------|
| 66 | Herman E. Gutheim | Captain | 29 Bigelow St. |
| 44 | Redmond M. Burke | Lieutenant | 22 Hadley St. |
| 32 | Hugh J. Powers | Engineer | 274 Putnam Ave. |
| 52 | Timothy F. McCarthy | Private | 1269 Cambridge St. |
| 116 | Frank A. Casey | Private | 17 Marney St. |

| | | | |
|-----|--------------------|---------|--------------------|
| 105 | Jeremiah F. Hayes | Private | 17 Marney St. |
| 61 | William G. Johnson | Private | 14 Springfield St. |
| 59 | George W. Stevens | Private | 135 Antrim St. |
| 157 | William J. Curry | Private | 168 Tremont St. |
| 43 | William J. Beck | Private | 41 Granville St. |
| 92 | Henry E. Findley | Private | 240 Prospect St. |
| 148 | Daniel P. Moynihan | Private | 310 Prospect St. |

ENGINE CO. NO. 6

A Triple Combination Pump, Hose and Chemical, with a capacity of 750 gallons per minute, and with all necessary equipment. Put in service December, 1918. Built by the American LaFrance Fire Engine Co.

| Badge | Name | Rank | Residence |
|-------|-----------------------|------------|-------------------|
| 113 | William C. Richardson | Captain | 34 Rockingham St. |
| 76 | Henry J. O'Brien | Lieutenant | 28 York St. |
| 69 | William F. Campbell | Private | 13 Decatur St. |
| 70 | Thomas F. Mullen | Private | 10 Laurel St. |
| 71 | James P. Welsh | Private | 48 Norfolk St. |
| 103 | Joseph J. Schuler | Private | 107 Rindge Ave. |
| 145 | George P. McCusker | Private | 11A Howard St. |
| 146 | Henry E. Kilfoyle | Private | 1 Rockingham St. |
| 21 | John J. Murphy | Private | 176 Pearl St. |
| 126 | John J. Dineen | Private | 175 River St. |
| 54 | Joseph H. Caldwell | Private | 175 River St. |
| 127 | William A. Witham | Private | 57 Tremont St. |

ENGINE CO. NO. 7

A second size Amoskeag engine, drawn by three horses; capacity 700 gallons per minute; has been in service since 1895; New boiler, 1907. Combination Hose and Chemical Wagon, drawn by two horses, with 800 feet of 2½ inch hose, two 30 gallon tanks and 200 feet of ¾ inch hose, and all other necessary equipment.

| Badge | Name | Rank | Residence |
|-------|---------------------|------------------|------------------|
| 17 | James H. Furfey | Captain | 99 Magazine St. |
| 26 | Thomas F. O'Connell | Lieutenant | 8½ Williams St. |
| 83 | Joseph S. Hayes | Engineer | 81 Hampshire St. |
| 24 | J. A. S. Drinkwater | Asst. Engineman. | 1 Coolidge Place |
| 136 | Otis D. Powers | Private | 8 Rockingham St. |
| 36 | Frank Foster | Private | 94 Thorndike St. |
| 85 | James E. Cunha | Private | 9 Gardner St. |
| 7 | Robert J. Buchanan | Private | 20 Griggs St. |
| 91 | Timothy J. Murphy | Private | 19 Marcella St. |
| 34 | Charles H. Leddy | Private | 71 Dana St. |
| 137 | Joseph E. McKenna | Private | 395 Columbia St. |
| 90 | Henry A. Cutting | Private | 1 Pine St. |

ENGINE CO. NO. 8

A Triple Combination Pump, Hose and Chemical, with a capacity of 750 gallons per minute, and with all necessary equipment. Put in service March, 1919. Built by the American LaFrance Fire Engine Co.

| Badge | Name | Rank | Residence |
|-------|---------------------|------------|-----------------|
| 88 | William J. Anderson | Captain | 100 Hammond St. |
| 1 | William J. Atkinson | Lieutenant | 5 Cutler Ave. |

| | | | |
|-----|----------------------------|---------------|--------------------|
| 40 | John Gibson | Private | 76 Reservoir St. |
| 123 | Francis V. Doyle | Private | 33 Oliver St. |
| 49 | George E. Lorigan | Private | 240 Huron Ave. |
| 86 | Thomas L. Wilkshire | Private | 124 Garden St. |
| 37 | Charles L. Carrier | Private | 18 Locke St. |
| 13 | William V. Jefferson | Private | 244 Concord Ave. |
| 60 | John P. Wallace | Private | 609 Mt. Auburn St. |
| 147 | Francis A. Lyshorn | Private | 286 Concord Ave. |

LADDER CO. NO. 1

A 75 foot Aerial Ladder Truck, motor driven; equipped with 275 feet of ladders, also equipped with jumping net, life line, etc. Put in service January, 1919. Built by the American LaFrance Fire Engine Co.

| Badge | Name | Rank | Residence |
|-------|---------------------------|------------------|-------------------|
| 129 | William H. Barrow | Captain | Brattle Sq. |
| 65 | Warren A. Dale | Lieutenant | 26 Chilton St. |
| 20 | John J. Balfe | Private | 377 Norfolk St. |
| 56 | Thomas A. Haley | Private | 14 Woodbridge St. |
| 38 | Charles N. Anderson | Private | 207 Hamilton St. |
| 96 | Eugene L. O'Keefe | Private | 19 Rindge Ave. |
| 68 | Emerill B. Beucler | Private | 1 Columbia Ter. |
| 67 | Daniel A. Walsh | Private | 206 Rindge Ave. |
| 31 | James W. Breslin | Private | 17 Clay St. |
| 150 | Thomas W. Lane | Private | 76 Bolton St. |
| 159 | Leo G. Cook | Private | 426 Huron Ave. |
| 149 | Timothy F. White | Private | 2 Highland Park |

LADDER CO. NO. 2

A combination ladder truck and chemical, drawn by three horses; equipped with 445 feet of ladders; longest ladder 65 feet extension; two 35 gallon tanks; 200 feet $\frac{3}{4}$ inch chemical hose; life line, etc. Put in service 1902.

| Badge | Name | Rank | Residence |
|-------|-----------------------------|------------------|-------------------|
| 28 | Albert R. Wait | Captain | 114 Hampshire St. |
| 102 | Charles J. McElroy | Lieutenant | 67 Fifth St. |
| 50 | Joseph A. McDonald | Private | 65 Ellery St. |
| 107 | Michael Mullen | Private | 5 Carlisle St. |
| 128 | William J. L. Sullivan | Private | 819 Cambridge St. |
| 124 | Joseph King | Private | 76 Thorndike St. |
| 106 | Thomas J. Lane | Private | 134 Otis St. |
| 51 | Michael R. Hayes | Private | 81 Webster Ave. |
| 45 | John J. Kelleher | Private | 43 Fifth St. |
| 46 | Joseph Silveira | Private | 237 Portland St. |
| 23 | Edward E. Gaughan | Private | 26 Tremont St. |
| 99 | James E. Durnan | Private | 27 Highland Ave. |
| 80 | Edward J. Tobin | Private | 128 Otis St. |
| 161 | Louis C. Avery | Private | 69 River St. |

LADDER CO. NO. 3

Ordinary ladder truck, drawn by three horses, equipped with 469 feet of ladders, longest ladder 65 feet extension; also equipped with jumping net, life line, etc. Put in service, 1892.

| Badge | Name | Rank | Residence |
|-------|---------------------------|------------------|--------------------|
| 98 | John T. McNamee | Captain | 209 Hamilton St. |
| 89 | Benjamin McArthur ... | Lieutenant | 69 Norfolk St. |
| 110 | Mortimer J. Hartney | Private | 59 Henry St. |
| 108 | Thomas J. Parks | Private | 294 Prospect St. |
| 97 | John F. McPherson | Private | 27 Grant St. |
| 117 | Morris A. Skold | Private | 259 Washington St. |
| 94 | James H. McCabe | Private | 247 Hampshire St. |
| 104 | William F. McGrath | Private | 166 Putnam Ave. |
| 58 | William H. Daley | Private | 91 Montgomery St. |
| 55 | William F. Davidson | Private | 118 Elm St. |
| 151 | William Quayle | Private | 19 Marcella St. |
| 8 | Louis H. Fabry | Private | 100 Reed St. |

LADDER CO. NO. 4

Ordinary city service truck, motor driven; equipped with 280 feet of ladders; longest ladder 50 feet extension; jumping net, life line, etc. Put in service July, 1920. Built by the American LaFrance Fire Engine Co.

| Badge | Name | Rank | Residence |
|-------|----------------------------|------------------|----------------------|
| 133 | Edward F. Conroy | Captain | 4 Nutting Rd. |
| 125 | Arthur L. Marshall | Lieutenant | 51 Museum St. |
| 9 | Edward F. Kelly | Private | 60 Rice St. |
| 79 | John F. Collins | Private | 37 Yerxa Rd. |
| 132 | Matthew F. Gleason | Private | 24 Chilton St. |
| 114 | Ursise W. E. Fournier | Private | 19 Holly Ave. |
| 158 | Joseph F. Flynn | Private | 131 Garden St. |
| 74 | Frank A. Hanley | Private | 1 Dover St. |
| 109 | Joseph W. McCloskey | Private | 71 Vassal Lane |
| 152 | John A. Cardoso | Private | 153 Prospect St. |
| 156 | William F. Newman, Jr.... | Private | 29 Rindgefield St. |
| 14 | Michael J. Murphy | Private | 106 Fayerweather St. |

COMBINATION NO. 2

Combination hose and chemical, motor driven, with 1000 feet of 2½ inch hose and 200 feet of ¾ inch chemical hose, two 35 gallon tanks, and all other necessary equipment. Put in service, 1916.

| Badge | Name | Rank | Residence |
|-------|----------------------------|------------------|----------------------|
| 16 | John D. Shea | Engineer | 15 Athens St. |
| 134 | Timothy Curran | Lieutenant | 102 Fayerweather St. |
| 41 | Edward J. Shea | Private | 375 Walden St. |
| 87 | James H. Sullivan | Private | 53 Foster St. |
| 135 | Jeremiah J. Sullivan | Private | 3 Locust St. |
| 72 | Charles P. Cox, Jr. | Private | 121 Appleton St. |
| 153 | George H. Carrier | Private | 6 Poplar Rd. |
| 154 | Lawrence A. Corcoran | Private | 440 Huron Ave. |

CHEMICAL NO. 1

A motor driven chemical engine; equipped with one 40 and two 50 gallon tanks, and all other necessary equipment. Put in service, August, 1920. Built by the American LaFrance Fire Engine Co.

| Badge | Name | Rank | Residence |
|-------|---------------------------|---------------|------------------|
| 112 | James T. McCabe | Captain | 17 Laurel St. |
| 11 | Daniel J. O'Connell | Private | 11 Lincoln St. |
| 111 | Edward L. Kelly | Private | 368 Prospect St. |

| | | | |
|----|----------------------|---------|---------------|
| 81 | James E. Jefferson | Private | 158 River St. |
| 39 | Joseph T. Ballantine | Private | 69 River St. |
| 95 | Edward A. Malone | Private | 51 Jay St. |

CAUSES OF FIRES AND ALARMS

| | |
|--|----|
| Accidents | 8 |
| Accidental alarms | 3 |
| Asphalt leaking from tank | 1 |
| Automobiles | 38 |
| Bonfires | 20 |
| Careless use of lighted match | 55 |
| Careless use of lighted cigar or cigarette | 46 |
| Careless use of lighted candle | 4 |
| Careless use of gasoline | 3 |
| Cement ignited from lighted gas stove | 1 |
| Child released from room on second floor of building | 1 |
| Children playing with matches | 27 |
| Chimney fires | 75 |
| Clothing too near hot stove | 7 |
| Christmas tree | 1 |
| Coal barge | 1 |
| Curtain against lighted lamp | 8 |
| Dump fires | 23 |
| Electric cars | 12 |
| Electric wires on poles, trees, etc. | 13 |
| False alarms | 76 |
| False alarms from defective A. D. T. system | 25 |
| False alarms from defective automatic system | 9 |
| Fat or meat on stove or in oven | 8 |
| Firecrackers | 5 |
| Freight cars | 2 |
| Fumes from gasoline taking fire | 1 |
| Gas leaking from pipe, tube or meter | 6 |
| Grass or brush fires | 32 |
| Hot ashes in wood barrel, box or cart | 12 |
| Kerosene oil lamps | 4 |
| Leaves on street | 3 |
| Lightning | 1 |
| Oil stoves | 9 |
| Open and defective fire-places | 4 |
| Overheated stove or smoke pipe | 4 |
| Overheated boiler or drying room | 5 |
| Rekindle | 2 |
| Rosin in tank boiling over | 1 |
| Responded to alarms out of city | 28 |
| Rubbish in building or yard | 23 |
| Rats and matches | 8 |
| Set by boys | 17 |
| Short circuit in electric motor | 2 |
| Smoke or steam mistaken for fire | 15 |
| Smokey stoves | 5 |
| Sparks from furnace, fire-place or stove | 11 |
| Sparks from locomotive | 2 |
| Smoking in bed | 5 |
| Supposed incendiary | 23 |
| Spontaneous combustion | 20 |

FIRE DEPARTMENT

445

| | |
|----------------------------------|-------|
| Tar kettle | 4 |
| Thawing frozen water pipes | 2 |
| Unknown | 33 |
| Unnecessary | 26 |
| | <hr/> |
| | 780 |

ANNUAL REPORT OF THE ELECTRICAL DEPARTMENT

Office of the City Electrician.

To the Honorable, the City Council of the City of Cambridge:

Gentlemen:—I submit herewith the twenty-second annual report of the Electrical Department for the fiscal year beginning April 1, 1920, and ending March 31, 1921.

INSPECTION OF ELECTRICAL WIRING

Last year was the first full year for which fees were collected for permits for electrical work, in accordance with the amendment to the Ordinances passed November 3, 1919. The amount collected from this source and turned in to the City Treasurer during the year is forty-seven hundred dollars (\$4700). The number of inspections and the amount of work inspected has increased materially over the corresponding work for last year, as indicated in the following table:

| TABULATION OF INSPECTION OF INTERIOR WIRING | | |
|--|------------------------------------|-----------------------------------|
| | April 1, 1919 to March 31, 1920 | April, 1920, to March 31, 1921 |
| Number of inspections | 3,089 | 3,820 |
| Number of installations inspected | 1,703 | 1,971 |
| Capacity of lamp sockets installed | 30,369 | 60,993 |
| Stoves and other large heating devices | 34 | 10 |
| Number of power motors installed | 575 | 612 |
| Horse power of motors installed | 3,494 | 3,927 |
| Number of 110-220 volt motors installed..... | 54 | 159 |
| Horse power of 110-220 volt motors installed ... | 9 | 165 |
| Number of generators installed | 5 | .... |
| K. W. capacity of generators installed | 195 | .... |
| Number of welders installed | 2 | 1 |
| K. W. capacity of welders installed | 23 | 10 |
| Number of rectifiers installed..... | 11 | .... |
| Number of transformers installed | 26 | 12 |
| K. W. capacity of transformers installed | 1,176 | 590 |
| Number of defects noted | 611 | 669 |
| Number of unfinished inspections | 108 | 121 |

The number of approvals of permits granted to the companies maintaining wires on the streets was as follows:

| | Cambride Electric Light Co. | New England Tel. & Tel. Co. |
|--|--------------------------------|--------------------------------|
| New pole locations | 45 | 29 |
| Removing poles | 22 | 53 |
| Replacing poles | 169 | 5 |
| Cementing and dropping in poles | 16 | 2 |
| Running wires | 83 | 1,222 |
| Conduit locations, alterations and repairs.... | 17 | 2 |
| Underground service connections | 17 | 29 |

FIRE ALARM AND POLICE SIGNAL SYSTEMS

Very little new work was done in these two branches of the departmental work during the year on account of the lack of appropriations. The appropriations available for work in these branches were not sufficient to maintain these systems at their former efficiency. It is feared that a bad storm will cripple both the fire alarm and police signal systems seriously on account of the large amount of overhead wire in the circuits, and it is hoped that appropriations to renew the old wire will be granted speedily, and that sufficient appropriations to place the wires underground will likewise be granted.

The following table is a few statistics of the system :

| | |
|--|-----|
| Central station equipment | 1 |
| Fire alarm boxes on the street | 167 |
| Fire alarm boxes on private premises | 35 |
| Fire alarm boxes with keyless doors | 115 |
| Fire alarm boxes with glass key doors | 12 |
| Length of circuit wires in system in miles | 185 |
| Tower bells connected with system | 5 |
| Steam whistles connected with system | 1 |
| Tappers connected with system | 25 |
| Private telephones connected with system | 22 |
| Number of bell alarms for fire sounded during the year | 397 |
| Number of telephone alarms reported during the year | 423 |
| Total number of alarms for fire during the past year | 820 |
| Number of second alarms included in above | 2 |
| Number of third alarms included in above | 2 |
| Number of fourth alarms included in above | 0 |
| Number of general alarms included in above | 1 |

No new fire alarm boxes were installed. One American District Telegraph service was installed, as follows :

No. 2742—Boston Conf. Co., Main Street, February 3, 1921.

One police box was installed :

No. 115—Esplanade, at the Technology Buildings, Dist. 2, May 10, 1920. This box was paid for by the Massachusetts Institute of Technology, as indicated in my report for last year.

STREET LIGHTING

During the early part of 1921, ornamental luminous arc lamps were installed on Massachusetts Avenue, between Garden Street and Roseland Street, as was recommended in my report of last year. At present this type of lamp is installed on the following streets: Massachusetts Avenue, including the vicinity of Central Square and the vicinity of Harvard Square, and on Cambridge Street, between Inman Square and the dam across the Charles River. I recommend that next year this type of lamp be installed on Main Street and on the streets surrounding the Cambridge Common.

All the street lights ordered by the City Council during the year have been installed.

The following tables shows the number of lamps in operation on the streets on March 31, 1920, and on March 31, 1921:

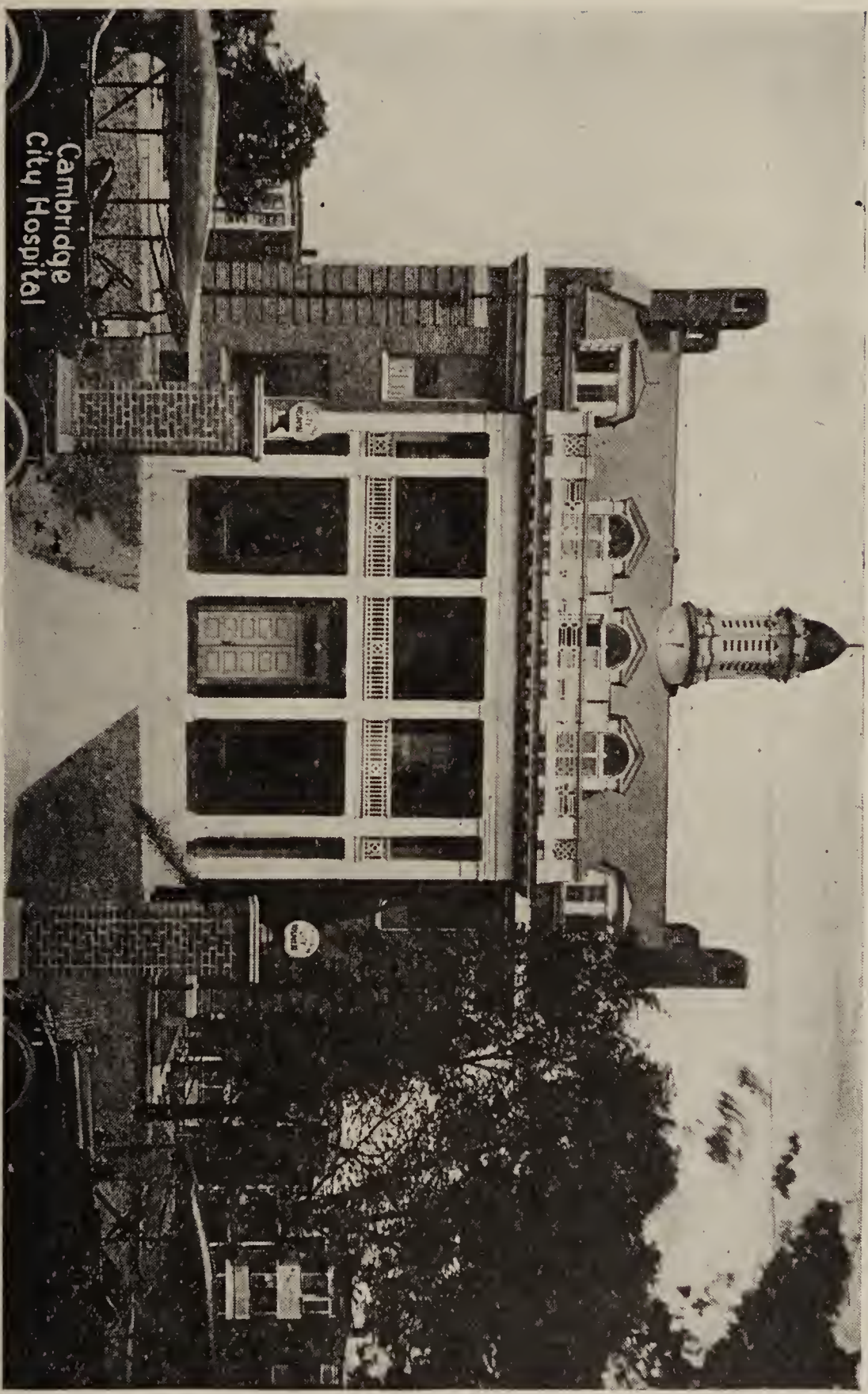
| | March 31, 1920 | March 31, 1921 |
|-------------------------------------|----------------|----------------|
| Ornamental luminous arc lamps | 259 | 302 |
| Tungsten arc lamps—250 c. p. | 263 | 584 |
| Tungsten arc lamps—300 c. p. | 98 | 79 |
| Tungsten arc lamps—100 c. p. | 5 | 5 |
| Incandescent lamps | 759 | 780 |
| Welsbach gas lamps | 305 | 305 |

Final action has not yet been taken by the City Council on the petitions for pole locations for electric lights which are intended to replace the Welsbach gas lamps now in use on some of the streets in the city. Last year it was stated that this substitution would effect a saving of about thirty-two hundred dollars (\$3200) per year. The increase in the cost of gas lamps for street lighting will cause the saving now to be about forty-three hundred dollars (\$4300) per year. In addition to this substitutional saving, more satisfactory illumination can be obtained from the use of electric lamps, and I recommend that the necessary pole locations be granted without further delay.

I extend my thanks to His Honor the Mayor and the City Council for their assistance in connection with the work of the Department during the year.

Respectfully submitted,

TIMOTHY C. O'HEARN,
City Electrician.



Cambridge
City Hospital

REPORT OF THE CAMBRIDGE CITY HOSPITAL TRUSTEES

April 8, 1921.

To His Honor, the Mayor and City Council:—

In accordance with the provisions of the City ordinance the trustees of the Cambridge City Hospital herewith submit the annual report for the year ending March 31, 1921.

There has been a change in the personel of the board during the year. The term of Hugh E. McGoldrick having expired and he having declined re-appointment as a member of the board, Frank F. Rogers, Jr., was appointed June 1, 1920, to succeed him. On September 4, 1920, Dr. Charles H. Thomas died, and on September 21, 1920, John J. Quinlan was appointed to succeed him.

The members of the Board of Trustees at the present time are:

CHARLES S. CAHILL, M. D., Chairman.

JOHN H. HURLEY.

ISAAC McLEAN.

FRANK F. ROGERS, JR.

JOHN J. QUINLAN.

Early in the month of July an additional appropriation of fifty thousand dollars (\$50,000) was provided by the City Council, making the total sum available for the construction of an addition to the hospital of the sum of two hundred thousand dollars (\$200,000). Immediately proposals were advertised for on plans as submitted, also on alternative plans with proposed sun-parlor omitted. Proposals were received and opened on August 9, 1920, the lowest bids being as follows:—

FOR GENERAL CONSTRUCTION.

Walsh Brothers \$201,000

FOR HEATING AND VENTILATING.

Lynch & Woodward \$16,670

These proposals were taken under consideration.

Subsequently, these figures were amended based on certain changes in plans as follows:—

FOR GENERAL CONSTRUCTION.

Walsh Brothers \$170,727

FOR HEATING AND VENTILATING.

Lynch & Woodward \$15,562

And the contracts were awarded at these figures. The trustees entered into an agreement with Edward T. P. Graham, architect for professional services in connection with the work of construction, and with R. D. Kimball Company, Engineers, for professional services in connection with heating and ventilating.

The work of construction proceeded, and satisfactory progress was being made when, on account of labor troubles work was stopped, January 19, 1921, and has not yet been resumed.

The services of Hugh E. McGoldrick as a member of the Board of Trustees since the beginning have been of a high character, and we are quite certain at much sacrifice of time and personal loss. Mr. McGoldrick finally has felt compelled on account of his physical condition and inability to regularly attend meetings because of absence from the city, to sever his connection with the Board. His judgment and advice will be missed.

Dr. Charles H. Thomas was a valuable member of the Board of Trustees and gave freely of his time and professional advice in the interest of the hospital.

On June 1, 1917, the Cambridge City Hospital actually opened its doors to receive patients, and it is not inopportune after this brief lapse of time to present in this report a resume of what has been accomplished. Those of us who are closely associated with it and acquainted with its developments from time to time, are often amazed at its growth and greatly encouraged by its progress. We are not contented to stop here and rest upon laurels already won. A good beginning has been made and it is the desire of all connected with the hospital to continue with increasing energy and conscientious effort to make the citizens of Cambridge proud of the trust they have placed in them.

Primarily the hospital was rated as an institution of 45 beds, and on various occasions as many as 70 patients have been under treatment. During the first ten months of its existence, 678 patients were admitted, comprising all classes of diseases and affections except contagious. During the past year, 1786 applicants were admitted.

The variety of cases applying for admission has markedly increased. In the beginning, the cases were chiefly of the nature of accident or emergency. From time to time more patients come with conditions for which relief was previously sought at the Boston hospitals. This is very gratifying, as it shows the increasing confidence of the physicians and citizens of the city in their own institutions.

The hospital opened with 7 pupil and 11 graduate nurses. The demand is ever present for a larger number of pupils. At present there are enrolled 20 pupil nurses and 7 graduate nurses. The course of training for a diploma has always been three years. In 1920 there was an affiliation with the Boston City Hospital whereby the nurses may receive practical training for three months in contagious diseases at the South Department. The first class of nurses to graduate, three in number, were awarded diplomas June 27, 1920.

The instructors of the training school have a well organized plan of theoretical and practical instruction. Many of the members of the hospital staff have devoted much time delivering lectures, and preparing practical demonstrations. It cannot be denied that the hospital through its training school offers to young women an excellent opportunity for preparation for the profession of nursing.

In May, 1918, the Out-Patient Department was opened, and for a few months it was nothing more than a place for patients to have minor dressings renewed after they were discharged from the hospital. The records of the past year show that 5,468 patients were actually treated in this department. This clinic has grown chiefly along surgical lines and nose and throat cases, especially tonsils and adenoids. Not infrequently on Tuesday mornings as many as 32 patients are operated upon at the hospital for removal of tonsils and adenoids. This is independent of the regular routine work.

During the year ground was broken for the new West Pavilion, the first addition to the original building, and it is rapidly approaching completion. There will be accommodations for 60 patients or in all about 100. Further expansion will undoubtedly be necessary within a few years.

The hospital has a staff of able and conscientious physicians and surgeons representing various departments, ambitious execu-

tives, nurses and attaches to co-operate in rendering every assistance to the sick and suffering.

Appreciation is hereby acknowledged to His Honor, the Mayor and City Council, and to the citizens of Cambridge for the confidence and support already given to their young institution, and it is to be earnestly hoped that there will never be an occasion when they may feel that it has been bestowed in vain.

The following is a brief statement of expenditures and receipts of the Hospital for the year:

| | | |
|--|-------------|-------------|
| Salaries | \$29,118.62 | |
| Printing and binding | 22.54 | |
| Postage | 23.00 | |
| Advertising and posting | 14.41 | |
| Transportation of persons | 30.00 | |
| Cartage and freight | 79.23 | |
| Light and power | 4,592.08 | |
| Communication | 503.08 | |
| Cleaning | 200.71 | |
| Medical service | 266.26 | |
| Examinations | 20.00 | |
| Fees, etc. | 10.00 | |
| Boiler inspection | 5.00 | |
| General plant | 2,471.45 | |
| Furniture and fittings | 209.64 | |
| Medical and surgical equipment | 58.80 | |
| Wearing apparel | 90.55 | |
| Office supplies | 909.88 | |
| Food | 19,047.84 | |
| Fuel | 6,761.52 | |
| Medical and surgical supplies | 7,745.53 | |
| Laundry supplies | 1,117.58 | |
| General supplies | 3,125.74 | |
| Incidental expenses | 71.26 | |
| | <hr/> | |
| | \$76,494.72 | |
| Received from patients April 1, 1920, to March 31, 1921 | | 25,056.35 |
| Collected by Overseers of the Poor Department for care of patients at Hospital | | 530.00 |
| | | <hr/> |
| Total receipts | | \$25,586.35 |

STATISTICS FROM APRIL 1, 1920, TO MARCH 31, 1921.

| | |
|--|-------|
| Patients treated in accident room | 648 |
| Daily average of patients in hospital | 52 |
| Largest number of patients in one day | 70 |
| Smallest number of patients in one day | 39 |
| Total admissions during year | 1,864 |
| Total surgical admissions | 700 |
| Oral admissions | 587 |
| Medical admissions | 388 |

| | |
|--|-----|
| Obstetrical | 189 |
| Patients remaining in hospital April 1, 1920 | 54 |
| Patients remaining in hospital April 1, 1921 | 65 |

ADMISSIONS AND THEIR CLASSIFICATIONS

| | | | |
|--|-----|--|----|
| Cardio-Vascular System: | | Gynaecological: | |
| Arterio-sclerosis | 1 | Tubal pregnancy ruptured | 2 |
| Arterio-sclerosis with senile dementia | 1 | Tubal pregnancy not ruptured | 1 |
| Arterio-sclerosis with myocarditis | 4 | V. V. abscess | 1 |
| Myocarditis | 10 | Fibroid uterus | 5 |
| Mitral regurgitation | 2 | Ovarian cyst | 3 |
| Endocarditis with pulmonary oedema | 1 | Miscarriages | 37 |
| Mitral insufficiency | 1 | Abortions | 2 |
| Pericarditis c effusion | 1 | Septicaemia from self induced abortion | 2 |
| Angina pectoris | 1 | Pelvic abscess | 1 |
| Anemia | 1 | Dysmenorrhea | 2 |
| | | Uterine hemorrhage | 1 |
| | | Salpingitis | 9 |
| | | Chronic endometritis | 4 |
| | | Lacerated perinum | 3 |
| | | Prolapse of uterus | 1 |
| | | Retroversion | 5 |
| | | Cystocele-rectocele | 6 |
| | | Septum of vagina | 1 |
| Urinary System: | | Intestines: | |
| Diabetes mellitis | 1 | Acute appendix | 60 |
| Diabetic agnrege | 1 | | |
| Chronic choleseystitis with stones | 1 | Appendix abscess | 5 |
| Stone in bladder | 1 | Ruptured appendix | 8 |
| Chronic nephritis with hypertension | 2 | Chronic appendix | 16 |
| Nephritis with uremia | 3 | Appendix c T. B. peritonitis | 2 |
| Sub-acute nephritis | 1 | Femoral hernia | 3 |
| | | Ventral hernia | 4 |
| | | Strangulated hernia | 7 |
| | | Inguinal hernia | 20 |
| | | Double inguinal hernia | 2 |
| | | Scrotal hernia | 1 |
| | | Incarcerated ing. hernia | 1 |
| | | Incarcerated femoral hernia | 1 |
| | | Lypoma of groin | 1 |
| | | Abdominal adhesions | 1 |
| | | Hemorrhoids | 5 |
| | | Ischio rectal abscess | 1 |
| | | Condylomata anus | 1 |
| | | Fistula in ano | 5 |
| | | Constipation | 2 |
| | | Cholecystitis | 12 |
| | | Renal stone | 2 |
| | | Perinephritis | 2 |
| | | Pylitis | 2 |
| | | Pylitis c renal calculus | 1 |
| | | Gall bladder | 2 |
| | | Intestinal obstruction | 7 |
| | | Dysentery | 2 |
| | | Alcoholic gastritis | 2 |
| Genito Urinary System: | | | |
| Stricture of urethra | 4 | | |
| Acute retention | 2 | | |
| Renal calculus c cystitis | 2 | | |
| Epitheloma of penis | 1 | | |
| Orchitis | 1 | | |
| Benign tumor of testicle | 1 | | |
| Prostatic obstruction | 1 | | |
| Hydrocele | 3 | | |
| Circumcision | 7 | | |
| Epididymitis | 2 | | |
| Peri urethral abscess | 1 | | |
| Obstetrical: | | | |
| Caesarian section | 3 | | |
| Placenta praevia, complete separation | 2 | | |
| Placenta praevia, partial separation | 2 | | |
| Pernicious vomiting | 2 | | |
| Deliveries | 161 | | |
| Eclampsia | 1 | | |
| Pregnancy c albuminuria | 1 | | |
| Pregnancy c shingles | 1 | | |
| Premature births | 9 | | |
| Ophthalmia Neonatorum | 1 | | |
| Pueperal Septicaemia | 1 | | |

| | | | |
|----------------------------|----|--|----|
| Post operative adhesions | 4 | Auxiliary abscess | 2 |
| Acute gastro enteritis | 3 | Impacted molar streptococcus infection | 1 |
| Duodenal ulcer | 3 | Abscess of chin | 1 |
| Perforated gastric ulcer | 2 | Cervical adenitis | 12 |
| Gastro enteritis | 12 | Right inguinal abscess | 1 |
| Perforated stomach | 1 | Abscess of middle ear | 1 |
| Amoebic dysentery | 1 | Femoral adenitis | 3 |
| Continued fever | 2 | Abscess of abdomen | 1 |
| Typhoid fever | 5 | Abscess of buttock | 1 |
| Hemorrhage from stomach | 1 | Ulcer of forehead | 1 |
| Indigestion | 1 | Carbuncle of shoulder | 1 |
| Cirrhosis of liver | 1 | Alveolar abscess | 1 |
| Tuberculosis: | | Multiple abscesses | 1 |
| Pulmonary tuberculosis | 7 | Phle?bitis of leg | 1 |
| T. B. meningitis | 2 | General septicaemia | 1 |
| T. B. spine | 5 | General low grade septicaemia | 1 |
| T. B. glands of neck | 1 | Septic prepatella bursitis | 1 |
| T. B. pleuritis | 1 | Neurosis: | |
| T. B. sinus of leg | 1 | Neurasthenia | 3 |
| Respiratory: | | Hysteria | 3 |
| Lobar pneumonia | 26 | Epilepsy | 5 |
| Broncho pneumonia | 12 | Syncope | 4 |
| Hypostatic pneumonia | 1 | Brain tumor | 2 |
| Pleuro pneumonia | 1 | Convulsions, cause unknown | 1 |
| Grippe | 8 | Migraine | 1 |
| Coryza | 1 | Occupational neurosis | 1 |
| Bronchitis | 12 | Chorea | 1 |
| Bronchial asthma | 1 | Manic depression | 1 |
| Aneurism of thoracic aorta | 1 | Cerebo spinal syphillis | 1 |
| Gangrene of lung | 1 | Hemiplegia | 1 |
| Em pyema | 3 | Myxoedema | 1 |
| Pleurisy c effusion | 4 | Cerebral hemarrhage | 11 |
| Neoplasms: | | Tabes dorsalis | 2 |
| Cancer of liver | 1 | Senile dementia | 1 |
| Cancer of breast | 9 | Burns: | |
| Cancer of caecum | 2 | Face | 1 |
| Cancer of bladder | 1 | Buttocks | 2 |
| Cancer of sigmoid | 3 | Forearm | 1 |
| Cancer of pancreas | 3 | Body (multiple) | 10 |
| Cancer of stomach | 3 | Poisoning: | |
| Cancer of larynx | 1 | Gas | 7 |
| Cancer of neck | 1 | Gasolene inhalation | 1 |
| Cancer of jaw | 1 | Strychnine | 1 |
| Cancer of tongue | 2 | Bichloride | 2 |
| Cancer of uterus | 6 | Veronal | 3 |
| Cancer of rectum | 2 | Denatured alcohol | 3 |
| Carcinomotosis | 4 | Ptomaine | 3 |
| Epithelioma of lip | 1 | General Diseases: | |
| Abscesses: | | Anterior poliomyelitis | 2 |
| Abscess of thigh | 1 | Cerebro-spinal meningitis | 1 |
| Septic leg | 4 | Malnutrition | 2 |
| Septic foot | 5 | Rachitis | 2 |
| Septic finger | 2 | Marasmus | 1 |
| Septic hand | 1 | Acute articular rheumatism | 7 |
| Infected elbow | 1 | | |
| Breast abscess | 1 | | |

| | | | |
|------------------------------------|-----|--|----|
| Acute periostitis | 3 | Osteomyelitis: | |
| Synovitis of knee | 1 | Of jaw | 1 |
| Prepatellar bursitis | 3 | Of ulna | 2 |
| Subdeltoid bursitis | 1 | Pelvis and femur | 1 |
| Varicose veins | 4 | Ileum | 1 |
| Exophthalmic goitre | 3 | Tibia | 2 |
| Measles | 1 | Femur | 1 |
| Impetigo contagiosa | 2 | Necrotic cartilage, sixth and seventh ribs | 1 |
| Eczema | 1 | Fractures: | |
| Carbuncle of back | 1 | Spine | 1 |
| Alcoholism | 15 | Skull | 10 |
| Bullet Wounds: | | Jaw | 4 |
| Of forearm | 1 | Humerus | 3 |
| In brain | 1 | Pelvis | 2 |
| Of foot | 3 | Radius and ulna | 2 |
| Of leg | 1 | Colles | 5 |
| In cheek | 1 | Radius | 2 |
| In chest | 1 | Femur | 19 |
| Abdomen | 2 | Tibia and fibula | 9 |
| Thigh | 2 | Astragulus | 2 |
| Lung | 1 | Patella | 2 |
| X-Ray for diagnosis | 3 | Tibia | 4 |
| Hemorrhage of newborn | 1 | Rib | 6 |
| Infant feeding | 7 | Fibula | 2 |
| Hemorrhage of gums | 2 | Pott's | 1 |
| Epistaxis | 1 | Int. malleolus | 1 |
| Heat stroke | 1 | Metatarsus | 1 |
| Encephalitis lethargica | 1 | Phalanges | 2 |
| Removal of bone band of femur | 2 | Clavicle | 2 |
| Oral: | | Separation of nasal epiphysis | 2 |
| Tonsils and adenoids | 554 | Separation of tibial epiphysis | 1 |
| Polypo-ethmoiditis | 2 | Separation of fibular epiphysis | 1 |
| Chronic ethmoiditis | 1 | Dislocations: | |
| Chronic suppurative otitis media | 1 | Elbow | 1 |
| Chr. ethmoid and frontal sinusitis | 2 | Hip | 1 |
| Acute mastoid | 1 | Ankle | 1 |
| Otitis media | 2 | Shoulder | 1 |
| Chr. dacryo-cystitis | 1 | Humerus | 1 |
| Infected lachrymal duct | 1 | Contusions and abrasions | 53 |
| Deviated septum | 8 | Lacerated wounds | 46 |
| Frontal sinusitis | 4 | Sprains | 1 |
| Impacted molar and tonsils | 1 | Crushed phalanges | |
| Removal of tonsil capsule | 1 | Lac. clavicular joint | 1 |
| Post-operative hemorrhage | 2 | Concussion of brain | 10 |
| Tonsillitis | 4 | Amputations: | |
| Plastic of nose | 1 | Leg | 1 |
| | | Right arm | 1 |
| | | Phalanges | 2 |
| | | Stone in forehead | 1 |

OPERATING ROOM RECORD

April, 1920-1921

| | | | |
|---------------------------------|----|---------------------------|----|
| Abdominal | | Rectocele | 2 |
| Appendectomies: | | Skin gragt | 2 |
| Acute | 30 | Amputations: | |
| Sub acute | 4 | Breast | 6 |
| Chronic | 16 | Fingers | 4 |
| Gangrenous | 8 | Foot | 1 |
| Perforated | 12 | Arm | 2 |
| Retro-Cecal | 7 | Compound Fractures: | |
| | — | Leg, open reduction | 1 |
| | 77 | Bone bands, for femur | 3 |
| Caesarean section | 4 | Bullet wound, jaw | 1 |
| Estopic gestation | 2 | Bullet wound, foot | 1 |
| Peritonitis, T. B. | 2 | Bullet wound, arm | 1 |
| Peritonitis, appendix | 1 | Fr. patella | 1 |
| Intestinal obstruction c diver- | | Colles | 1 |
| ticulum | 1 | Lacerated fingers | 1 |
| Gastro-euterosomy | 5 | Septic hand | 2 |
| Gastric perforation | 2 | Septic foot | 2 |
| Ubophorectomy | 2 | Ostomyelitis: | |
| Salpingectomy | 8 | Rib | 1 |
| Salpingo-oophrectomy | 3 | Ulna | 2 |
| Choleciptectomies | 11 | Elbow | 1 |
| Cholecystotomy | 1 | Leg | 1 |
| Perforate gastric ulcer | 2 | Pre-patellar bursa | 3 |
| Exploratory laparotomies | 5 | Abscesses: | |
| Pancreatitis | 2 | Alveolar | 1 |
| Resection of gut (carcinoma) | 3 | Cervical | 4 |
| Uterine suspension: | | Axillary | 1 |
| Ventral | 6 | Inguinal | 2 |
| Gilliam | 3 | Ischio-rectal | 3 |
| Intestinal obstruction | 2 | Pelvic | 4 |
| Colostomies | 2 | Jaw | 3 |
| Perforated cecum | | Gluteal | 1 |
| Hysterectomies: | | Nephritic | 1 |
| Total hysterectomies | 4 | Thigh | 2 |
| Partial hysterectomies | 3 | Thyroidectomies | 4 |
| Vaginal hysterectomies | 5 | Sub-maxillary tumor | 1 |
| Nephreorraphy | 1 | Carbuncle | 3 |
| Nephrectomy | 3 | Prostatectomies: | |
| Stop wounds of abdomen | 2 | Supra-pubic | 3 |
| Hernioctomices: | | Lipoma of back | 1 |
| Congenital | 2 | Lipoma of thigh | 1 |
| Femoral | 2 | Urethral calculi | 1 |
| Inguinal | 20 | Adnectomies | 1 |
| Umbilical | 1 | Cernicectomy | 1 |
| Gastric | 1 | Frontal sinusitis | 2 |
| Incarcerated | 3 | Mastoiditis | 5 |
| Strangulated | 4 | Fthmoiditis | 1 |
| Sliding | 1 | Deviated septum | 11 |
| Scrotal | 2 | Plastic on nose | 1 |
| Post-operative | 2 | Ligation of arotid artery | 1 |
| Plastics: | | Varicose veins | 2 |
| Trachelorraphy | 3 | Bronchial cyst | 1 |
| Pernierrophy | 5 | Amputation pinis | 1 |
| Cystocele | 3 | | |

| | | | |
|-----------------------|---|-------------------------|-----|
| Parotid tumor | 1 | Keloid | 1 |
| Breast tumor | 1 | Urethral stricture | 1 |
| Ischio-rectal fistula | 2 | Hemorrhoids | 5 |
| Hydrocele | 1 | Transfusions | 2 |
| Varicocele | 1 | Dilating and curretting | 24 |
| Circumcisions | 7 | Tonsils and adenoids | 498 |

DEATHS

April 1, 1920, to April 1, 1921

| | | | |
|--------------------------|---|-------------------------|---|
| Surgical | 2 | Medical | 1 |
| Intestinal obstruction | 8 | Articular rheumatism | 1 |
| Diverticulum op. | 1 | Brain tumor | 2 |
| Acute gastro enteritis | 1 | Cerebruc sp. meningitis | 1 |
| Appendix | 1 | T. B. meningitis | 1 |
| Rupt. appendix, gen. and | | Cerebral hemorrhage | 2 |
| peritonitis | 1 | Abdominal observation | 1 |
| Abd. tumor | 1 | Cardiac | 3 |
| Strang. hernia | 2 | Cardiac and renal | 3 |
| Hernia | 1 | Heinipligia | 1 |
| Gastric ulcer | 1 | Nephritis | 1 |
| Femoral peritonitis | 1 | Infantile paralysis | 1 |
| Gall bladder | 1 | Unconscious male | 1 |
| Hemorrhoids | 1 | Pneumonia | 8 |
| Ovarian abscess | 1 | Brocho pneumonia | 3 |
| V. V. abscess | 1 | Lobar pneumonia | 2 |
| Malignancy | 1 | Hypostatic pneumonia | 1 |
| Carcinoma sigmoid | 1 | T. B. pleuritis | 1 |
| Carcinoma, throat | 1 | Amaebic dysentery | 1 |
| Carcinoma, breast | 1 | Shock | 1 |
| Carcinoma, stomach | 1 | Diabetes | 1 |
| Carcinoma, caecum | 1 | Poisoning | 1 |
| Lacerated scalp | 2 | Obstetric | 1 |
| Lacerated scalp | 2 | Baby's (infants) | 5 |
| Fractured skull and leg | 2 | Still born babes | 4 |
| Fractured femur | 1 | Puerp. eclampsia | 2 |
| Injuries | 1 | Miscarriage | 1 |
| Bullet wound | 1 | Congenital gastritis | 1 |
| Infected arm | 1 | Pul. embalism | 3 |
| Alcoholic | 1 | Rupt. extra uterine | 1 |
| Burns | 3 | Eucephalitis lithargica | 1 |

Respectfully submitted,

CHARLES S. CAHILL, M. D., Chairman.
JOHN H. HURLEY
ISAAC McLEAN
FRANK F. ROGERS, JR.
JOHN J. QUINLAN

REPORT OF THE CHIEF OF POLICE

OFFICE OF THE CHIEF OF POLICE

Cambridge, Mass., April 1, 1921.

To His Honor the Mayor and the Honorable City Council.

Gentlemen:—In compliance with the City Ordinances, I have the honor to submit the annual report of the Police Department for the year ending March 31, 1921.

ORGANIZATION OF THE DEPARTMENT

| Rank | Salary |
|------------------------|---------------------|
| 1 CHIEF | \$3,000.00 per year |
| 9 CAPTAINS | 2,350.00 per year |
| 12 LIEUTENANTS | 2,150.00 per year |
| 12 SERGEANTS | 2,000.00 per year |
| 137 PATROLMEN | 1,825.00 per year |
| 22 RESERVES | |
| First year | 1,460.00 per year |
| Second year | 1,581.67 per year |
| Third year | 1,703.33 per year |
| After third year | 1,825.00 per year |
| 1 POLICE WOMAN | 1,300.00 per year |
| 2 MATRONS | 14.00 per week |

DEPARTMENT ROSTER

| Name | Rank | First Appointment |
|------------------------|------------|--------------------|
| McBRIDE, JOHN J., | Chief | April 27, 1887 |
| BRENNAN, MICHAEL J., | Captain | April 14, 1884 |
| CANNEY, JOHN J., | Captain | May 28, 1901 |
| ELLIS, FREDERICK M., | Captain | December 28, 1897 |
| GORDON, HERBERT, | Captain | November 21, 1893 |
| HURLEY, PATRICK J., | Captain | October 20, 1886 |
| KEANEY, JAMES M., | Captain | January 19, 1881 |
| LEAHY, TIMOTHY F., | Captain | September 6, 1898 |
| MURRAY, JAMES E., | Captain | May 18, 1870 |
| WELCH, EDWARD J., | Captain | November 14, 1893 |
| AYLWARD, RICHARD H., | Lieutenant | December 30, 1890 |
| ABERLE, CHARLES F., | Lieutenant | April 30, 1895 |
| COADY, THOMAS F., | Lieutenant | April 1, 1902 |
| DONAHUE, JOSEPH J., | Lieutenant | April 26, 1904 |
| GINTY, WILLIAM B., | Lieutenant | March 24, 1903 |
| HALL, JAMES P., | Lieutenant | April 27, 1884 |
| McCORRY, JOSEPH F., | Lieutenant | September 15, 1891 |
| McMINIMEN, WILLIAM H., | Lieutenant | April 21, 1880 |
| MURRAY, PATRICK F., | Lieutenant | April 7, 1884 |
| NEILAN, MICHAEL, | Lieutenant | December 28, 1887 |

CHIEF OF POLICE

| Name | Rank | First Appointment |
|--------------------------|------------|-------------------|
| POWERS, JOHN F., | Lieutenant | April 26, 1904 |
| WYMAN, CHARLES W., | Lieutenant | May 3, 1898 |
| BRADLEY, CHARLES E., | Sergeant | May 29, 1900 |
| CURTIN, WILLIAM A., | Sergeant | January 13, 1909 |
| DOUGLAS, ROBERT J., Jr., | Sergeant | April 26, 1904 |
| HEALEY, PATRICK J., | Sergeant | May 3, 1904 |
| KELLY, JOSEPH, | Sergeant | April 3, 1906 |
| LaMARCHE, FRANK D., | Sergeant | May 29, 1900 |
| McCAFFREY, BERNARD J., | Sergeant | June 30, 1891 |
| MAHONEY, GEORGE J., | Sergeant | December 28, 1897 |
| MULVANEY, SIMON J., | Sergeant | February 23, 1892 |
| PRESHO, CHARLES H., | Sergeant | February 4, 1896 |
| SHANNON, JOSEPH H., | Sergeant | May 24, 1894 |
| WINSLOW, JOHN E., | Sergeant | January 22, 1889 |
| ACKERLEY, JOHN M., | Patrolman | December 12, 1906 |
| ANDREW, FRANK, | Patrolman | June 26, 1906 |
| ANDREW, WILLIAM M., | Patrolman | November 3, 1908 |
| BAGAN, JOHN H., | Patrolman | October 11, 1910 |
| BARRINGTON, GEORGE T., | Patrolman | May 3, 1882 |
| BATEMAN, WELLINGTON D., | Patrolman | March 1, 1914 |
| BIGGANE, WILLIAM F., | Patrolman | April 3, 1906 |
| BOURGET, JOSEPH A., | Patrolman | February 27, 1912 |
| BURKE, THOMAS F., | Patrolman | April 26, 1904 |
| BURKE, THOMAS F., 2d., | Patrolman | March 1, 1914 |
| CAHALANE, JOHN, | Patrolman | June 20, 1911 |
| CALLAHAN, TIMOTHY J., | Patrolman | October 24, 1917 |
| CAMPBELL, THOMAS M., | Patrolman | October 27, 1896 |
| CANNEY, DANIEL F., | Patrolman | June 20, 1911 |
| CLEARY, MARK J., | Patrolman | October 24, 1917 |
| COLLINS, FREDERICK V., | Patrolman | May 4, 1909 |
| COMERFORD, EDWARD J., | Patrolman | July 1, 1890 |
| CONLAN, ANDREW, | Patrolman | April 3, 1906 |
| CORCORAN, TIMOTHY, | Patrolman | January 7, 1880 |
| COSGROVE, JOHN F., | Patrolman | December 25, 1917 |
| CRANE, TIMOTHY, | Patrolman | November 6, 1903 |
| CULHANE, ROBERT G., | Patrolman | July 18, 1903 |
| CUMMINGS, JOHN F., | Patrolman | May 5, 1908 |
| CURRAN, FRANCIS P., | Patrolman | May 24, 1915 |
| CURRAN, MICHAEL J., | Patrolman | May 5, 1908 |
| CURTIN, PATRICK J., | Patrolman | June 20, 1911 |
| DAVIS, HARRY W., | Patrolman | July 23, 1901 |
| DEMPSEY, LAWRENCE P., | Patrolman | June 26, 1906 |
| DIEHL, ANTONE B., | Patrolman | August 8, 1899 |
| DOHERTY, JOSEPH F., | Patrolman | April 26, 1904 |
| DONOVAN, EDWARD F., | Patrolman | April 1, 1915 |
| DOW, WARREN H., | Patrolman | *January 1, 1895 |
| DOYLE, PATRICK, | Patrolman | January 3, 1877 |
| DUNLEA, PATRICK F., | Patrolman | April 26, 1898 |
| DWYER, EDWARD E., | Patrolman | May 4, 1909 |
| DYNAN, ANTHONY, | Patrolman | June 20, 1911 |
| DYNAN, LEÓ D., | Patrolman | April 1, 1915 |
| FABRY, FRANK J., | Patrolman | May 5, 1908 |
| FALVEY, JOHN H., | Patrolman | January 28, 1914 |
| FALVEY, TIMOTHY S., | Patrolman | April 1, 1915 |
| FLYNN, WILLIAM, | Patrolman | February 27, 1912 |
| GALLAGHER, JEREMIAH J., | Patrolman | April 26, 1910 |
| GORDON, EDWARD C., | Patrolman | December 12, 1906 |
| GRIFFITHS, JOHN J., | Patrolman | October 20, 1884 |

| Name | Rank | First Appointment |
|----------------------------|-----------|--------------------|
| GUTHRIE, JOHN J., | Patrolman | March 31, 1909 |
| GUTOSKI, FRANK H., | Patrolman | July 26, 1904 |
| HACKETT, MORTIMER M., | Patrolman | November 28, 1893 |
| HALLIDAY, HERBERT E., | Patrolman | April 1, 1915 |
| HARNEY, THOMAS M., | Patrolman | March 26, 1912 |
| HARNEY, WILLIAM H., | Patrolman | October 31, 1911 |
| HEALEY, MICHAEL J., | Patrolman | January 31, 1917 |
| HENRY, FRANK S., | Patrolman | May 14, 1909 |
| HEZLITT, JOHN A., | Patrolman | April 12, 1892 |
| HOGAN, MARTIN, | Patrolman | March 1, 1914 |
| HOLT, JAMES H. H., | Patrolman | December 28, 1887 |
| HORGAN, DANIEL J., | Patrolman | November 23, 1908 |
| HUMPHREYS, WILLIAM J., | Patrolman | June 20, 1911 |
| IRELAND, JEROME D., | Patrolman | May 31, 1904 |
| KEARNS, THOMAS P., | Patrolman | April 26, 1910 |
| KELLEHER, JOHN, | Patrolman | December 28, 1897 |
| KELLEY, JOSEPH B., | Patrolman | October 24, 1917 |
| KELLEY, EDWARD J., | Patrolman | March 29, 1918 |
| KELLEY, EDWIN L., | Patrolman | July 20, 1918 |
| KELLEY, MICHAEL J., | Patrolman | May 28, 1901 |
| KEOUGH, JAMES R., | Patrolman | *July 16, 1911 |
| LANDRIGAN, JAMES M., | Patrolman | June 20, 1911 |
| LARGENTON, AUGUSTUS J., | Patrolman | July 18, 1903 |
| LAW, FREDERICK W., | Patrolman | June 30, 1891 |
| LEAHY, DENNIS F., | Patrolman | February 20, 1894 |
| LINEHAN, RICHARD J., | Patrolman | October 24, 1917 |
| LYNCH, DAVID E., | Patrolman | April 1, 1911 |
| MAHER, P. EDWARD J., | Patrolman | April 1, 1915 |
| MALLAHAN, CHARLES E., | Patrolman | March 1, 1914 |
| MALOY, JOHN P., | Patrolman | September 17, 1889 |
| McAULIFFE, THOMAS W., | Patrolman | March 29, 1918 |
| McCABE, EDWARD J., | Patrolman | April 12, 1892 |
| McCANN, CHARLES J., | Patrolman | May 21, 1889 |
| McCARTHY, DENIS, | Patrolman | April 1, 1915 |
| McCARTHY, JEREMIAH H., | Patrolman | April 7, 1886 |
| McCARTHY, PATRICK J., Jr., | Patrolman | April 1, 1915 |
| McCOOL, WILLIAM M., | Patrolman | January 16, 1912 |
| McCREHAN, JOHN E., | Patrolman | April 27, 1884 |
| McCULLOUGH, FRANK C., | Patrolman | March 17, 1913 |
| McCULLOUGH, JOSEPH A., | Patrolman | June 20, 1911 |
| McFADDEN, RICHARD M., | Patrolman | August 8, 1899 |
| McKEOWN, WILLIAM F., | Patrolman | April 12, 1892 |
| McLAUGHLIN, FRANCIS A., | Patrolman | March 21, 1911 |
| McLAUGHLIN, FREDERICK, | Patrolman | *February 6, 1906 |
| McMAHON, MICHAEL, | Patrolman | April 25, 1905 |
| MELLO, MANUEL G., | Patrolman | October 2, 1908 |
| MORRISSEY, THOMAS J., | Patrolman | March 1, 1914 |
| MOYLAN, PATRICK E., | Patrolman | June 26, 1906 |
| MULLALLEY, JOHN T., | Patrolman | May 5, 1908 |
| MULLEN, ROBERT E., | Patrolman | November 14, 1893 |
| MULLIN, WILLIAM T., | Patrolman | December 12, 1911 |
| MULQUEENY, JOHN P., | Patrolman | April 26, 1910 |
| MULVIHILL, JOHN F., | Patrolman | March 1, 1914 |
| MURPHY, EDWARD L., | Patrolman | April 1, 1915 |
| MURPHY, PETER J., | Patrolman | April 26, 1904 |
| MURRAY, RICHARD A., | Patrolman | March 17, 1913 |
| NEILAN, JOHN P., | Patrolman | May 8, 1899 |
| NORMILE, MICHAEL C., | Patrolman | March 26, 1912 |

| Name | Rank | First Appointment |
|--------------------------|-----------------|--------------------|
| O'BRIEN, DENNIS W., | Patrolman | August 6, 1912 |
| O'BRIEN, JOHN J., | Patrolman | April 26, 1904 |
| O'CONNELL, CHARLES P., | Patrolman | May 4, 1909 |
| O'DELL, WILLIAM L., | Patrolman | June 10, 1908 |
| O'LOUGHLIN, THOMAS F., | Patrolman | June 1, 1914 |
| PARKS, JOSEPH A., | Patrolman | December 28, 1897 |
| PATTEN, GEORGE A., | Patrolman | April 26, 1904 |
| QUIGLEY, CHARLES F., | Patrolman | June 10, 1915 |
| READY, PATRICK F., Jr., | Patrolman | January 1, 1916 |
| REAGAN, DANIEL J., | Patrolman | June 10, 1915 |
| REAGAN, JAMES F., | Patrolman | April 26, 1910 |
| RIENDEAU, JOSEPH L., | Patrolman | March 1, 1914 |
| ROBERTS, JOHN W., | Patrolman | February 6, 1900 |
| ROBERTSON, WILLIAM H., | Patrolman | June 30, 1891 |
| ROPER, GEORGE B., | Patrolman | July 5, 1914 |
| ROWE, WILLIAM H., | Patrolman | May 24, 1892 |
| RUSSELL, JAMES D., | Patrolman | April 26, 1910 |
| SHANNON, THOMAS J., | Patrolman | July 26, 1904 |
| SHEA, THOMAS, | Patrolman | May 13, 1902 |
| SHEEHAN, CORNELIUS, | Patrolman | June 2, 1903 |
| SHEEHAN, JOHN J., | Patrolman | June 2, 1903 |
| STOKES, THOMAS J., | Patrolman | August 1, 1913 |
| STOKES, JOHN F., | Patrolman | June 20, 1911 |
| SULLIVAN, EUGENE, | Patrolman | October 11, 1910 |
| SULLIVAN, DENNIS J., | Patrolman | *February 6, 1903 |
| SULLIVAN, JOHN J., | Patrolman | *December 29, 1891 |
| TANSEY, JOSEPH F., | Patrolman | April 3, 1906 |
| TEMPLE, JOSEPH C., | Patrolman | November 17, 1896 |
| TEVLIN, JOHN J., | Patrolman | April 26, 1910 |
| TOOMEY, TIMOTHY J., | Patrolman | October 24, 1917 |
| TURCOTT, AMOS, | Patrolman | March 26, 1912 |
| WALSH, DAVID H., | Patrolman | October 23, 1896 |
| WALSH, DAVID L., | Patrolman | August 8, 1899 |
| WALSH, JOHN, | Patrolman | December 12, 1906 |
| WARD, WILLIAM F., | Patrolman | *January 23, 1908 |
| O'NEIL, FRANKLIN M., | Reserve Officer | July 20, 1918 |
| McNAMARA, MATTHEW J. F., | Reserve Officer | July 20, 1918 |
| LYONS, PETER J., | Reserve Officer | July 20, 1918 |
| CALLAHAN, PATRICK J., | Reserve Officer | July 20, 1918 |
| MURPHY, PATRICK J., | Reserve Officer | July 20, 1918 |
| REARDON, JEREMIAH F., | Reserve Officer | July 20, 1918 |
| DRISCOL, WILLIAM J., | Reserve Officer | October 20, 1918 |
| MURPHY, EDWARD J., | Reserve Officer | December 20, 1918 |
| McCAFFREY, JOSEPH H., | Reserve Officer | June 10, 1919 |
| DONELAN, CHARLES P., | Reserve Officer | June 10, 1919 |
| GORMLEY, WILLIAM G., | Reserve Officer | June 10, 1919 |
| KELLEY, MARK J., | Reserve Officer | June 10, 1919 |
| BURKE, PHILIP T., | Reserve Officer | June 10, 1919 |
| MAHONEY, JEREMIAH F., | Reserve Officer | June 10, 1919 |
| KEANE, CORNELIUS P., | Reserve Officer | November 16, 1919 |
| WAIT, ALBERT J., | Reserve Officer | November 16, 1919 |
| CARROLL, THOMAS E., | Reserve Officer | November 16, 1919 |
| FOLEY, JOHN J., | Reserve Officer | November 16, 1919 |
| LEARY, THOMAS, | Reserve Officer | November 16, 1919 |
| CROWLEY, JOSEPH J., | Reserve Officer | November 16, 1919 |
| NIXON, WILLIAM L., | Reserve Officer | November 16, 1919 |

* Appointed as drivers; on February 28, 1917, by Special Act of Legislature they were made patrolmen.

| Name | Rank | First Appointment |
|------------------------|-----------------|------------------------|
| BREEN, JOSEPH P., | Reserve Officer |November 16, 1919 |
| TAYLOR, EDITH J., | Policewoman |March 5, 1921 |
| BARRON, MARY A., | Matron |May 2, 1919 |
| STEVENS, CATHERINE E., | Matron |June 7, 1907 |

OFFENCES FOR WHICH ARRESTS HAVE BEEN MADE

Crimes Against Persons:

| | |
|-------------------------------|-------|
| Abduction | 1 |
| Assault, Felonious | 24 |
| Assault, intetn to rob | 8 |
| Assault and battery | 284 |
| Assault on an officer | 17 |
| Manslaughter | 12 |
| Murder | 3 |
| Rape | 10 |
| Robbery | 27 |
| Threats and intimidation | 20 |
| | <hr/> |
| | 406 |

Crimes Against Property:

| | |
|------------------------------|-------|
| Arson | 8 |
| Breaking and entering | 185 |
| Evading fares | 15 |
| Larceny in building | 4 |
| Larceny | 381 |
| Malicious mischief | 33 |
| Receiving stolen goods | 37 |
| Trespass | 50 |
| Unlawful appropriation | 12 |
| Conveying leased property... | 10 |
| | <hr/> |
| | 735 |

Crimes Against Public Order:

| | |
|--------------------------------|------|
| Attempt to break and enter.. | 4 |
| Abortion | 2 |
| Accosting opposite sex | 5 |
| Adultery | 9 |
| Abandonment | 13 |
| Bastardy | 34 |
| Bigamy | 3 |
| City ordinance, violation | 51 |
| Carrying concealed weapons.. | 25 |
| Contempt of court | 2 |
| Conducting unlicensed shop.. | 23 |
| Conspiracy | 29 |
| Cruelty to animals | 7 |
| Disturbing a religious meeting | 3 |
| Disturbing a public meeting.. | 6 |
| Deserters | 8 |
| Disturbing the peace | 158 |
| Drunkenness | 1423 |
| Dogs, keeping unlicensed | 4 |
| Escaped prisoners | 8 |
| False alarm of fire | 6 |

| | |
|---------------------------------|-------|
| Forgery | 3 |
| Federal law violations | 18 |
| Fornication | 11 |
| Fugitives from justice | 8 |
| Gaming and present at | 144 |
| House of ill fame | 2 |
| Idle and disorderly | 7 |
| Indecent exposure | 15 |
| Insane | 23 |
| Lewd cohabitation | 14 |
| Lewdness | 6 |
| Liquor laws, violations | 189 |
| Lord's Day, violations | 17 |
| Loitering | 3 |
| Motor vehicle law, violations | 807 |
| Non-support | 186 |
| Neglected children | 26 |
| Obscene pictures | 1 |
| Peddling, unlicensed | 8 |
| Perjury | 2 |
| Polygamy | 1 |
| Profanity | 1 |
| Refusing aid to an officer | 1 |
| Runaways | 23 |
| Rescue prisoners, attempt .. | 6 |
| Suspicious persons | 17 |
| Sodomy | 4 |
| Setting fires without permit.. | 1 |
| Stubbornness | 65 |
| Tramps | 4 |
| Unnatural act | 3 |
| Vagabond | 2 |
| Vagrant | 4 |
| Violation of milk law | 9 |
| Violation of milk container | |
| law | 8 |
| Violation of child labor law.. | 11 |
| Violation of park rules | 19 |
| Violation of drug laws | 2 |
| Violation of probation | 29 |
| | <hr/> |
| | 3,523 |

RECAPITULATION

| | |
|----------------------------|-------|
| Against Person | 406 |
| Against Property | 735 |
| Against Public Order | 3,523 |
| | <hr/> |
| | 4,664 |

NATIVITY OF PERSONS ARRESTED

| | | | | | |
|---------------|-----|-----------------|-----|-------------------|-------|
| Armenia | 17 | Germany | 18 | Poland | 39 |
| Austria | 7 | Greece | 47 | Russia | 423 |
| Brazil | 1 | Hungary | 3 | Scotland | 16 |
| Belgium | 1 | Holland | 1 | Sweden | 31 |
| Cuba | 1 | Ireland | 294 | Syria | 8 |
| Canada | 157 | Italy | 217 | Turkey | 18 |
| China | 1 | Lithuania | 28 | United States ... | 3,157 |
| England | 31 | Norway | 2 | West Indies | 43 |
| Finland | 1 | Portugal | 102 | | |
| | | | | Total | 4,664 |

OCCUPATIONS OF PERSONS ARRESTED

| | | | | | |
|--------------------|-----|-------------------|-------|--------------------|-------|
| Agents | 10 | Firemen | 19 | Painters | 69 |
| Auto business .. | 29 | Foremen | 16 | Pattern makers.. | 5 |
| Bakers | 40 | Fruit dealers ... | 5 | Physicians | 12 |
| Barbers | 14 | Gardeners | 7 | Photographers .. | 13 |
| Blacksmiths | 13 | Glass blowers .. | 4 | Plumbers | 21 |
| Boiler makers .. | 4 | Grocers | 5 | Printers | 64 |
| Bookbinders | 9 | Harness makers.. | 2 | Peddlers | 32 |
| Bookkeepers ... | 9 | Helpers | 22 | Plasters | 6 |
| Bootblack | 1 | Hotel keepers .. | 5 | Police officers .. | 2 |
| Brass finisher ... | 1 | Housekeepers .. | 129 | Railroad men .. | 21 |
| Brokers | 14 | Inspectors | 12 | Rivetter | 1 |
| Butchers | 7 | Investigators ... | 2 | Roofers | 29 |
| Butler | 1 | Iron workers ... | 72 | Rubber workers.. | 72 |
| Buyer | 1 | Janitors | 18 | Sailors | 29 |
| Candy makers .. | 14 | Jewelers | 5 | Salesmen | 176 |
| Caretaker | 1 | Junk dealers ... | 33 | Students | 248 |
| Carpenters | 71 | Laborers | 1,253 | Shippers | 25 |
| Chauffeurs | 403 | Laundresses ... | 2 | Shoemakers ... | 21 |
| Chef | 1 | Lineman | 1 | Soldiers | 12 |
| Chemists | 3 | Laundry man ... | 1 | Spinners | 3 |
| Clergyman | 1 | Machinists | 144 | Steamfitters | 27 |
| Clerks | 176 | Managers | 24 | Stone cutters ... | 4 |
| Conductors | 17 | Manufacturers .. | 19 | Storekeepers ... | 136 |
| Contractors | 5 | Marines | 2 | Tailors | 20 |
| Cooks | 17 | Masons | 38 | Teachers | 7 |
| Coopers | 14 | Merchants | 39 | Teamsters | 208 |
| Core maker | 1 | Milk dealers ... | 17 | Telephone opera- | |
| Decorators | 3 | Mill hands | 12 | tors | 3 |
| Domestics | 25 | Motormen | 6 | Tinsmiths | 7 |
| Electricians | 17 | Moulders | 22 | Trackman | 1 |
| Embalmer | 1 | News dealers ... | 1 | Upholsterer | 1 |
| Engineers | 16 | None | 446 | Waiters | 18 |
| Expressmen | 12 | Nurses | 2 | | |
| Farmers | 11 | Office boys | 16 | Total | 4,664 |

MISCELLANEOUS BUSINESS

| | | | |
|--------------------------------|-------|----------------------------------|-----|
| Accidents | 1,306 | Defective catch basins | 127 |
| Bicycles recovered | 29 | Defective drains | 23 |
| Buildings found open | 440 | Defective bridges | 3 |
| Cases investigated | 6,288 | Defective trees | 96 |
| Dangerous buildings reported.. | 14 | Defective fire alarms and clocks | 14 |
| Dangerous chimneys reported.. | 1 | Defective gas pipes | 16 |
| Dead bodies found | 30 | Defective water pipes | 212 |

| | | | |
|-------------------------------|-------|--------------------------------|-----|
| Defective hydrants | 42 | Sick and injured persons as- | |
| Defective lamps | 3,686 | sisted | 464 |
| Defective wires | 147 | Teams and autos put up | 41 |
| Defective street signs | 22 | Street obstructions removed... | 44 |
| Defects in streets | 1,244 | Summonses served for other | |
| Disturbances suppressed | 485 | departments | 845 |
| Dogs killed | 100 | Warrants served | 573 |
| Fires extinguished without | | Persons reported missing | 166 |
| alarms | 147 | Persons restored | 107 |
| Lost children restored | 562 | | |

PROPERTY IN USE BY THE DEPARTMENT

| | |
|----------------------------|------------------------|
| 4 Motor ambulances | 1 Automobile |
| 1 Gasoline tank | 3 Bookcases |
| 9 Blankets | 1 Bertillon book |
| 4 Beds and bedding | 1 Camera and stand |
| 175 Cap devices | 1 Copy press |
| 74 Chairs | 1 Cheffonier |
| 11 Clocks | 17 Cuspidores |
| 1 Couch | 21 Desks |
| 3 Desk lamps | 195 Diaries |
| 6 Directories | 3 Filing cabinets |
| 195 Fire alarm keys | 5 Finger-print outfits |
| 2 Grappling irons | 7 Handcuffs |
| 3 Ice water tanks | 1 Leg irons |
| 24 Lanterns | 1 Lung motor |
| 3 Medicine cabinets | 3 Messenger bags |
| 10 Mirrors | 1 Motorcycle |
| 1 Private telephone system | 195 Police belts |
| 200 Police badges | 200 Police clubs |
| 250 Police manuals | 2 Pulmotors |
| 2 Portable search lights | 195 Patrol box keys |
| 4 Pails | 1 Rug |
| 192 Revolvers | 2 Rogues galleries |
| 1 Settee | 3 Safes |
| 200 Feet of rope | 2 Straight-jackets |
| 7 Sets of law books | 2 Typewriters |
| 23 Traffic belts | 10 Waste baskets |
| 3 Wardrobes | 5 Tables |

CHANGES IN THE FORCE

- 2 Reserve officers appointed.
- 4 Reserve officers appointed Patrolmen.
- 1 Policewoman appointed.
- 1 Patrolman promoted to Sergeant.
- 2 Sergeants promoted to Lieutenants.
- 3 Lieutenants promoted to Captains.
- 1 Patrolman pensioned.
- 4 Patrolmen died.
- 1 Pensioner died.

In Memoriam

JOHN W. KELLY, appointed June 26, 1906; died May 6, 1920

ALEXANDER J. McLELLAN, appointed October 20, 1918; died July 10, 1920

MICHAEL A. GINTY, appointed April 7, 1884 (pensioner); died Sept. 25, 1920

*THOMAS J. RILEY, appointed March 17, 1913; died November 21, 1920

LOCHLIN GAVIN, appointed April 26, 1904; died December 30, 1920

*On the night of November 21, 1920, while attempting to quell a disturbance, Officer Thomas J. Riley was shot and killed by Rocco Scicchitani, who was tried and found guilty of murder in the first degree, but sentence has been stayed pending a hearing on exceptions in the case.

RECOMMENDATIONS

For several years it has been recommended that the old brick cells at Station Two be removed and steel cages installed; it would seem to me from a sanitary standpoint that this matter should be attended to at once.

During the past year I had a new "White" ambulance installed at Station Two and I now feel that if an appropriation is made in order that I may install another; we could cover the city from one garage, thus saving considerable money in the maintenance of our ambulance service as well as giving better service to the public.

I would recommend that a small car be bought for the use of the officers at headquarters as there is a great need of such a machine to be used in emergency cases.

Respectfully submitted,

JOHN J. McBRIDE,
Chief of Police.

MUNICIPAL PENSIONS

To the Mayor and City Council of the City of Cambridge, Mass.

Gentlemen:—I submit herewith a report of the amount expended during the year April 1, 1920, to March 31, 1921, for pensions of Municipal employees in sundry departments:

APPROPRIATIONS

| | | |
|---------------------------------------|-------------|-------------|
| Appropriation in Budget | \$67,045.50 | |
| Transfer from School Department | 4,199.10 | |
| Transfer from Water Department | 2,942.16 | |
| Transfer from Reserve Fund | 1,237.54 | |
| | | |
| Total appropriations | | \$75,423.30 |

EXPENDITURES

Department:

| | | |
|---|-------------|-----------|
| Public Library | | \$92.00 |
| Boston and Cambridge bridges | | 250.00 |
| City Clerk | | 382.50 |
| Registrars of Voters | | 494.00 |
| Board of Health | | 540.50 |
| Clerk of Committees and Soldiers' Aid | | 800.00 |
| Treasury | | 897.00 |
| Park | | 1,049.87 |
| Cemetery | | 1,057.98 |
| Water | | 2,422.16 |
| Sewer | | 3,958.60 |
| Police | | 9,534.46 |
| Street (Maintenance) | \$11,509.81 | |
| Sanitary | 2,051.26 | |
| | | 13,561.07 |
| School Agent | 1,425.00 | |
| Janitors | 2,773.10 | |
| Teachers | 9,241.70 | |
| | | 13,439.80 |
| Fire | | 24,530.28 |

| | | |
|----------------------------------|--|-------------|
| Total Pension Expenditures | | \$73,010.20 |
|----------------------------------|--|-------------|

COMPENSATION AWARDS

| | | |
|--------------------------|------------|------------|
| Street—Maintenance | \$1,390.00 | |
| Sewer | 503.10 | |
| Water | 520.00 | |
| | | \$2,413.10 |

| | | |
|-----------------------------------|--|-------------|
| Total expended for all purposes.. | | \$75,423.30 |
|-----------------------------------|--|-------------|

PENSION REPORT

April 1, 1920, to March 31, 1921.

| | |
|--|-------|
| Number of persons on Pension April 1, 1920 | 148 |
| Number of persons added during this year | 30 |
| | <hr/> |
| | 178 |
| Number of deaths during this year | 14 |
| | <hr/> |
| Number of persons on Pension April 1, 1921 | 164 |

The fund was reimbursed as follows for amounts expended:

| | | |
|------------------------|------------|------------|
| Water Department | | \$2,942.16 |
| School—Janitors | \$2,773.10 | |
| Agent | 1,425.00 | |
| | <hr/> | 4,198.10 |
| | | <hr/> |
| | | \$7,140.26 |

At the beginning of this year all pensions were excluded from departmental expenditures, and a separate fund was made to include all the amounts to be paid for the various departments.

Respectfully submitted,

EDWARD F. SULLIVAN,

Agent.

SOLDIERS' AID REPORT

To the Mayor and City Council of the City of Cambridge.

Gentlemen:—I transmit herewith the report for the Committee on Soldiers' Aid for the year March 31, 1920, to April 1, 1921:

The following appropriations were made for the year aforesaid:

SCHEDULE A

| | | |
|---------------------------------|------------|------------|
| Personal service (Budget) | \$6,660.00 | |
| Transfer to Reserve Fund | 740.50 | |
| | <hr/> | \$5,919.50 |

SCHEDULE B

| | | |
|---|------------|------------|
| Service other than personal | \$1,095.00 | |
| Transfer to Schedule D (Supplies) | 50.00 | |
| | <hr/> | \$1,045.00 |
| Transfer from Reserve Fund | 1.71 | |
| | <hr/> | \$1,046.71 |

SCHEDULE C

| | | |
|----------------------------------|---------|-------|
| Equipment: | | |
| Transfer from Reserve Fund | \$90.90 | 90.90 |

SCHEDULE D

| | | |
|----------------------------------|----------|--------|
| Supplies (Budget) | \$270.00 | |
| Transfer from B—17 | 50.00 | |
| Transfer from Reserve Fund | 77.34 | |
| | <hr/> | 397.34 |

SCHEDULE F

| | | |
|---|-------------|-----------|
| State Aid—Soldiers' Relief: | | |
| Military Aid and Burials (Budget) | \$50,000.00 | |
| Transfer from Reserve Fund | 6,225.55 | |
| | <hr/> | 56,225.55 |

SCHEDULE G

| | | |
|--------------------------------|----------|-------------|
| Care of Soldiers' Graves | \$175.00 | |
| Transfer to Reserve Fund | 19.54 | |
| | <hr/> | 155.46 |
| | | <hr/> |
| | | \$63,835.46 |

The following amounts were expended from the appropriations:

SCHEDULE A

Personal Service:

| | | |
|--------------------------------------|------------|------------|
| William F. Boyle, Investigator | \$1,560.00 | |
| James T. Cox, Investigator | 1,560.00 | |
| Marcella P. Durnan, Clerk | 277.00 | |
| Edward F. Sullivan, Agent | 2,500.00 | |
| Temporary Clerk | 22.50 | |
| | | <hr/> |
| | | \$5,919.50 |

SCHEDULE B

Service other than personal:

| | | |
|--|----------|------------|
| 1. Printing and binding | \$108.78 | |
| 2. Postage | 33.00 | |
| 4. Transportation of persons | 61.50 | |
| 5. Cartage and Freight | 2.94 | |
| 13. Communication | 60.99 | |
| 14. Motor vehicles, repairs and care | 113.90 | |
| 17. Care of persons | 512.08 | |
| 22. Medical | 121.02 | |
| 35. Fees | 10.00 | |
| 42. Registration service men | 22.50 | |
| | | <hr/> |
| | | \$1,046.71 |

SCHEDULE C

Equipment:

| | | |
|-----------------|---------|-------|
| 9. Office | \$90.90 | 90.90 |
|-----------------|---------|-------|

SCHEDULE D

Supplies:

| | | |
|-------------------------|--------|--------|
| 1. Office | 49.00 | |
| 2. Food and ice | 56.84 | |
| 11. Motor vehicle | 291.50 | |
| | | <hr/> |
| | | 397.34 |

SCHEDULE F

Soldiers' Relief—Military Aid:

State Aid—Burials.

| | | |
|------------------------|-------------|-----------|
| Soldiers' Relief | \$43,076.05 | |
| State Aid | 7,441.00 | |
| Military Aid | 5,606.50 | |
| Burials | 102.00 | |
| | | <hr/> |
| | | 56,225.55 |

SCHEDULE G

Care of graves:

| | | |
|---------------------------------------|----------|--------|
| Labor at Rindge Avenue Cemetery | \$144.00 | |
| Tools | 11.48 | |
| | | <hr/> |
| | | 155.48 |

| | | | |
|-----------------------------|--|-------|-------------|
| Total amount expended | | <hr/> | \$63,835.46 |
|-----------------------------|--|-------|-------------|

During the past year the pay-roll has increased steadily each month, the first pay-roll of the year amounted to \$4,000 per month, while the last one amounted to \$6,200 per month. This increase is due to necessities existing among the World War Service Men and their dependents, who come within the provisions of the law governing the distribution of Soldiers' Relief and Military Aid.

The Soldiers' Relief law requires cities and towns to render assistance to service men and their dependents, when through no fault of their own, they are not in a position to provide for themselves. A very noticeable increase was noted on this pay-roll in December, 1920, when employment became difficult to obtain. The employment situation has been becoming more acute and work is now very difficult to obtain, in any kind of work and no relief is in sight at the present time. No doubt exists that if the present requests continue, that this office will expend almost twice the money that was needed last year for the several forms of relief that come within our jurisdiction.

During the past year the following members of the City Council have served on the Committee on Soldiers' Aid:

1920

Councillor John J. McCarthy, Chairman; Councillor M. Hogan, Councillor Frank J. Lehan, Councillor William J. Lynch, Councillor Charles H. Shea.

1921

Councillor Arthur Drinkwater, Chairman; Councillor John P. Good, Councillor James E. Mahler, Councillor John J. McCarthy, Councillor Franklin H. Wright.

To His Honor, Mayor Quinn, and the several members of the above committees I desire to extend my thanks for the helpful co-operation given me and the sympathy which they have extended to persons who have applied to them for consideration.

Respectfully submitted,

EDWARD F. SULLIVAN,

Agent.

REPORT OF THE INSPECTOR OF ANIMALS

April 1, 1921.

Honorable Edward W. Quinn, City Hall, Cambridge, Mass.

Dear Sir:—I beg to submit the following report for the year ending April 1, 1921, for the Department of Inspection of Animals.

This department includes the care of all animals in health and disease.

During the past year no serious outbreak of contagious disease has occurred in our city.

A number of dog bites have been reported and investigated and animals kept under quarantine until customary fifteen days have elapsed. This is one of the rules of the Bureau of Animal Industry as regards "Rabies" and pertaining to its control.

| | |
|---|-----|
| Number quarantined and investigated | 16 |
| Positive | 0 |
| Negative | 16 |
| Total number of visits | 165 |

GLANDERS

A contagious disease affecting horses. This disease has been on the decline in our city for the past seven years, due, no doubt, in a great measure to the closing of the watering troughs and the thorough disinfection of infected stables and blacksmith shops.

| | |
|---------------------------------------|----|
| Number horses reported | 14 |
| Negative | 14 |
| Positive | 0 |
| Visits to stable for inspection | 14 |

TUBERCULOSIS IN COWS

All cows and cow barns in the city have been examined and inspected by me twice during the past year.

| | |
|------------------------------|------|
| Number cases inspected | 35 |
| Number cases found | None |

HORSES

Sick horses in the various departments of the city.

| | |
|---|-----|
| Street Department (Hampshire St., Raymond St., Tannery St.) | 721 |
| Fire Department | 71 |

| | |
|-----------------------------|----|
| Water Department | 20 |
| Cemetery Department | 3 |
| Overseers of the Poor | 12 |

MISCELLANEOUS

| | |
|--|----|
| Examination of horses coming into the city from other states | 22 |
|--|----|

FIRE ALARMS

It is the duty of the Inspector of Animals to answer all second alarms and care for the welfare of the horses. I have attended all such cases.

Two old horses have been humanely destroyed through old age and disability.

Total number of visits made for all departments during the past year 1,077

D. L. BOLGER, D. V. S.,
Inspector of Animals.

REPORT OF THE COMMISSIONER OF BOSTON AND CAMBRIDGE BRIDGES

To the Honorable, the City Council:

Gentlemen:

In accordance with the provisions of Section 3, Chapter 5, of the Revised Ordinances, the undersigned respectfully submits his report for the fiscal year ending March 31, 1921.

In general the bridges upon which there are wooden decks have been maintained in the usual way and required constant patching and replanking.

The surface on Harvard Bridge required considerable pinning down and the granite block on Cambridge Bridge gave but little trouble, although I shall recommend that the settlements over the expansion joints be repaved over the entire bridge early in the spring.

An unusual number of collisions and other accidents all due to reckless drivers and overspeeding have occurred on the Harvard Bridge during the past year and I am endeavoring to co-operate with the Police of both cities and the State automobile officials to curb this practice.

No recommendations are made in this report for renewing any of the intercity bridges as a report is about to be made to the Legislature by the Metropolitan District Commission bearing on all of the structures needing rebuilding.

Respectfully submitted,

FRANCIS J. SMITH,
Bridge Commissioner.

CITY OF CAMBRIDGE, ONE-HALF BROOKLINE STREET BRIDGE

John B. Dolan Contract, Flooring:

| | | |
|--|------------|------------|
| December 8, 1920, first estimate | \$2,288.21 | |
| December 21, 1920, second estimate | 667.31 | |
| February 7, 1921, third and final estimate | 521.56 | |
| | <hr/> | \$3,477.08 |

W. S. Rendle Contract, Repairing:

| | | |
|---|----------|------------|
| November 11, 1920, first estimate | \$798.79 | |
| January 11, 1921, second and final estimate | 140.96 | |
| | <hr/> | 939.75 |
| | | <hr/> |
| | | \$4,416.83 |

EXPENDITURES FOR THE YEAR 1920-21
(Being the Portion Paid by the City of Cambridge — Which is One-Half — of the Total Expenditures)

| | Administra- tion | Anderson Bridge | Cambridge St. River Street Bridge | Cambridge Bridge | Essex St. Brookline St. Bridge | Harvard Bridge | Prison Point Bridge | Western Ave Bridge to Cambridge | Totals |
|------------------------------------|---------------------|--------------------|---|---------------------|--------------------------------------|-------------------|---------------------------|--|-------------|
| Salaries | \$250.00 | | \$4,701.51 | \$2,505.10 | | \$4,701.51 | \$4,701.51 | \$629.47 | \$16,859.63 |
| Repairs | | | 203.94 | | | 2,591.07 | 679.96 | | 4,104.44 |
| Lumber | | | 76.88 | 39.79 | | 677.72 | 569.84 | 222.94 | 1,597.17 |
| Light | | \$303.84 | 25.63 | 1,622.82 | \$202.02 | 814.08 | 10.19 | 25.59 | 3,004.17 |
| Fuel | | | 39.17 | | | 60.25 | 65.45 | | 164.87 |
| Supplies | | 4.29 | 39.59 | 26.23 | 20.75 | 159.54 | 141.22 | 23.38 | 415.00 |
| Removing Sweepings | | | | | | 157.75 | | | 157.75 |
| Printing and Stationery | 55.31 | | | | | | | | 55.31 |
| Telephone and Travel Ex- penses | 82.57 | | | | | | | | 82.57 |
| Advertising | 9.37 | | | | | | | | 9.37 |
| Totals | \$397.25 | \$308.13 | \$5,086.72 | \$4,193.94 | \$222.77 | \$9,161.92 | \$6,168.17 | \$911.38 | \$26,450.28 |

Annual Summary of Draw Openings, Boston and Cambridge Bridges, April 1, 1920, to March 31, 1921

| Bridge | Tugs | | | Barges | | | All Others | | | Total Vessels | | | Cargoes | Open-ings |
|---------------------------|------|-------|-------|--------|-------|-------|------------|-------|-------|---------------|-------|-------|---------|-----------|
| | Day | Night | Total | Day | Night | Total | Day | Night | Total | Day | Night | Total | | |
| Cambridge St. — River St. | 96 | | 96 | 38 | | 38 | 8 | | 8 | 8 | | 8 | 16 | 6 |
| Harvard | 44 | | 44 | 20 | | 20 | 9 | | 9 | 143 | | 143 | 12 | 97 |
| Prison Point | | | | | | | 3 | | 3 | 67 | | 67 | | 45 |
| Western Ave. to Cambridge | | | | | | | 4 | 2 | 6 | 4 | 2 | 6 | | 4 |
| Totals | 140 | | 140 | 58 | | 58 | 24 | 2 | 26 | 222 | 2 | 224 | 28 | 153 |

Monthly Summary of Draw Openings, Boston and Cambridge Bridges, April 1, 1920, to March 31, 1921

| | Cambridge Street River Street Bridge | | | Harvard Bridge | | | Prison Point Bridge | | | Western Avenue Bridge to Cambridge | | |
|-----------|---|---------|---------------|----------------|---------|---------------|---------------------|---------|---------------|---------------------------------------|---------|---------------|
| | Vessels | Cargoes | Open- ings | Vessels | Cargoes | Open- ings | Vessels | Cargoes | Open- ings | Vessels | Cargoes | Open- ings |
| 1920 | | | | | | | | | | | | |
| April | 4 | | 2 | 6 | | 3 | 6 | 1 | 4 | 4 | | 2 |
| May | | | | | | | 6 | 1 | 4 | | | |
| June | | | | 3 | | 2 | 6 | 1 | 4 | | | |
| July | 1 | | 1 | 10 | | 6 | 6 | 1 | 4 | | | |
| August | 1 | | 1 | 3 | 2 | 2 | 11 | 2 | 7 | | | |
| September | | | | 20 | | 13 | | | | | | |
| October | 2 | | 2 | 35 | 7 | 24 | 6 | 1 | 4 | 2 | | 2 |
| November | | | | 55 | 7 | 38 | 5 | 2 | 4 | | | |
| December | | | | 1 | | 1 | 3 | | 2 | | | |
| 1921 | | | | | | | | | | | | |
| January | | | | | | | 6 | 1 | 4 | | | |
| February | | | | | | | 6 | 1 | 4 | | | |
| March | | | | 10 | | 8 | 6 | 1 | 4 | | | |
| Totals | 8 | | 6 | 143 | 16 | 97 | 67 | 12 | 45 | 6 | | 4 |

FIFTY-FOURTH ANNUAL REPORT OF THE CITY ENGINEER 1920-1921

To the Honorable, the City Council:

The City Engineer hereby submits his annual report, being the fifty-fourth of the department, showing the operation and expenditures of the Engineering and Sewer Departments for the year ending April 1, 1921.

A brief summary of the work of the Engineering and Sewer Departments for the year is as follows:

FOR HIGHWAY DEPARTMENT

| | |
|--|-----|
| Number of surveys made | 9 |
| Number of street lines given | 48 |
| Number of grades given | 58 |
| Number of streets on which paving, curbs, etc., was measured | 71 |
| Number of assessments prepared | 112 |
| Number of plans and profiles prepared | 15 |
| Number of cars of Street Department material measured..... | 0 |

FOR SEWER DEPARTMENT

| | |
|---|-----|
| Number of surveys made | 9 |
| Number of lines given | 125 |
| Number of grades given | 142 |
| Number of sewers measured | 10 |
| Number of plans and profiles prepared | 12 |

FOR WATER DEPARTMENT

| | |
|---|---|
| Number of lines given | 6 |
| Number of surveys made | 5 |
| Number of plans and profiles made | 6 |
| Number of grades given | 8 |

FOR LAW DEPARTMENT

| | |
|--|----|
| Number of surveys made | 28 |
| Number of photographic negatives | 31 |

MISCELLANEOUS WORK

| | |
|---|-----|
| Number of circuit bench levels | 0 |
| Number of houses measured | 215 |
| Number of plans and profiles prepared, tracings, etc..... | 40 |
| Number of surveys made | 10 |
| Number of lines given | 58 |
| Number of grades given | 57 |
| Number of photographic negatives | 7 |

FOR PARK DEPARTMENT

| | |
|-------------------------------|----|
| Number of surveys given | 0 |
| Number of lines given | 32 |
| Number of grades given | 30 |

FOR CEMETERY DEPARTMENT

| | |
|-------------------------------|---|
| Number of surveys given | 8 |
|-------------------------------|---|

There are on file in this office 13,576 plans.

FINANCIAL

ENGINEERING DEPARTMENT

Salaries

| | |
|---------------------|-------------|
| Appropriation | \$12,757 53 |
| Expended | 12,407 99 |
| Balance | \$349 54 |

OTHER EXPENSES

| | |
|---------------------|------------|
| Appropriation | \$1,042 47 |
| Expended | 1,042 47 |
| Balance | 0 |

In addition to and including the above amount charged to salaries to assistants, there has been expended and charged to departments as follows:

| | |
|----------------------------------|-------------|
| To Assessors' Plans | \$200 00 |
| To Sewer Department | 1,883 93 |
| To Water Works Department | |
| To Salary of City Engineer | 3,500 00 |
| Salaries of Assistants | 8,907 99 |
| Total | \$14,491 92 |

CLASSIFICATION OF SALARIES OF ASSISTANTS

| | |
|--|------------|
| Accounts | \$1,183 50 |
| Assessors' Plans—Surveys, measurements and work on Block Plans for Assessors' Department | 1,213 73 |
| Accidents—Surveys, plans and court attendance for Law Department | 116 31 |
| Bridges—Surveys, plans, examinations and estimates..... | 120 16 |
| Cemetery—Surveys and plans setting out lots at Cambridge Cemetery | 478 65 |
| General Surveys and Levels—Surveys and work on section and City plans and bench levelling | 29 14 |
| Highways—Surveys, levels, plans, estimates, measurements and assessments for Highway Department; also lines and grades for private parties | 2,620 14 |
| Location Plans | 140 59 |
| Miscellaneous—Unclassified work for committees and departments, vacations and sickness | 1,710 49 |
| Parks—Surveys, lines, grades, plans, estimates for Park Department | 274 99 |
| Sewers—Lines, grades, plans, estimates, accounts, measurements and assessments for Sewer Department..... | 2,535 22 |
| Sidewalks—Estimates, measurements, titles and assessments for Highway Department | 166 08 |

| | |
|---|--------------------|
| Water Works—Surveys, lines, grades, plans and estimates for Water Works Department | 1,026 92 |
| Total | <u>\$11,615 92</u> |

BRIDGES

FIRST STREET BRIDGE OVER BROAD CANAL

This bridge has been repeatedly reported as in a weakened and dangerous condition. On June 17, 1920, after a thorough examination of the bridge, a report was made to His Honor, the Mayor, that the bridge should be entirely rebuilt as recommended in a former report dated December 11, 1919, or that somewhat extensive repairs of a temporary character be made at once to the bridge. As the price for all construction work was still abnormally high, it was finally decided to make the temporary repairs at once.

Seven of the timber draw arms which form a vital part of the draw itself, were found badly decayed, and they were accordingly reinforced by inserting seven new draw arms and firmly bolting them in place, together with such other repairs, new planking, etc., as seemed required. Work was begun June 21, 1920, and was substantially completed July 13, 1920, the total cost of the work being \$4,150.27.

THIRD STREET BRIDGE OVER BROAD CANAL

This bridge is now in poor condition, some of the main timbers are badly weakened by decay and they should be renewed or reinforced with new timbers the coming season. The bridge floor is also in a bad condition and should be renewed the coming season together with a general overhauling of the bridge, or else a new bridge should be built here.

The bridge is now inadequate for the traffic which is increasing in amount and weight and should be rebuilt at once.

SIXTH STREET BRIDGE OVER BROAD CANAL

The floor of this bridge is in bad condition and should be renewed at once. Some of the floor joists and draw arms of the draw should also be renewed or reinforced with new timbers and a general overhauling given the bridge. The other bridges are in fair condition and will need the usual repairs to be given by the Street Department.

PAVEMENT STATISTICS

Statistics of pavements laid in the City to date are as follows:

STATISTICS OF PAVEMENTS LAID IN THE CITY TO APRIL 1, 1921, ARE AS FOLLOWS:

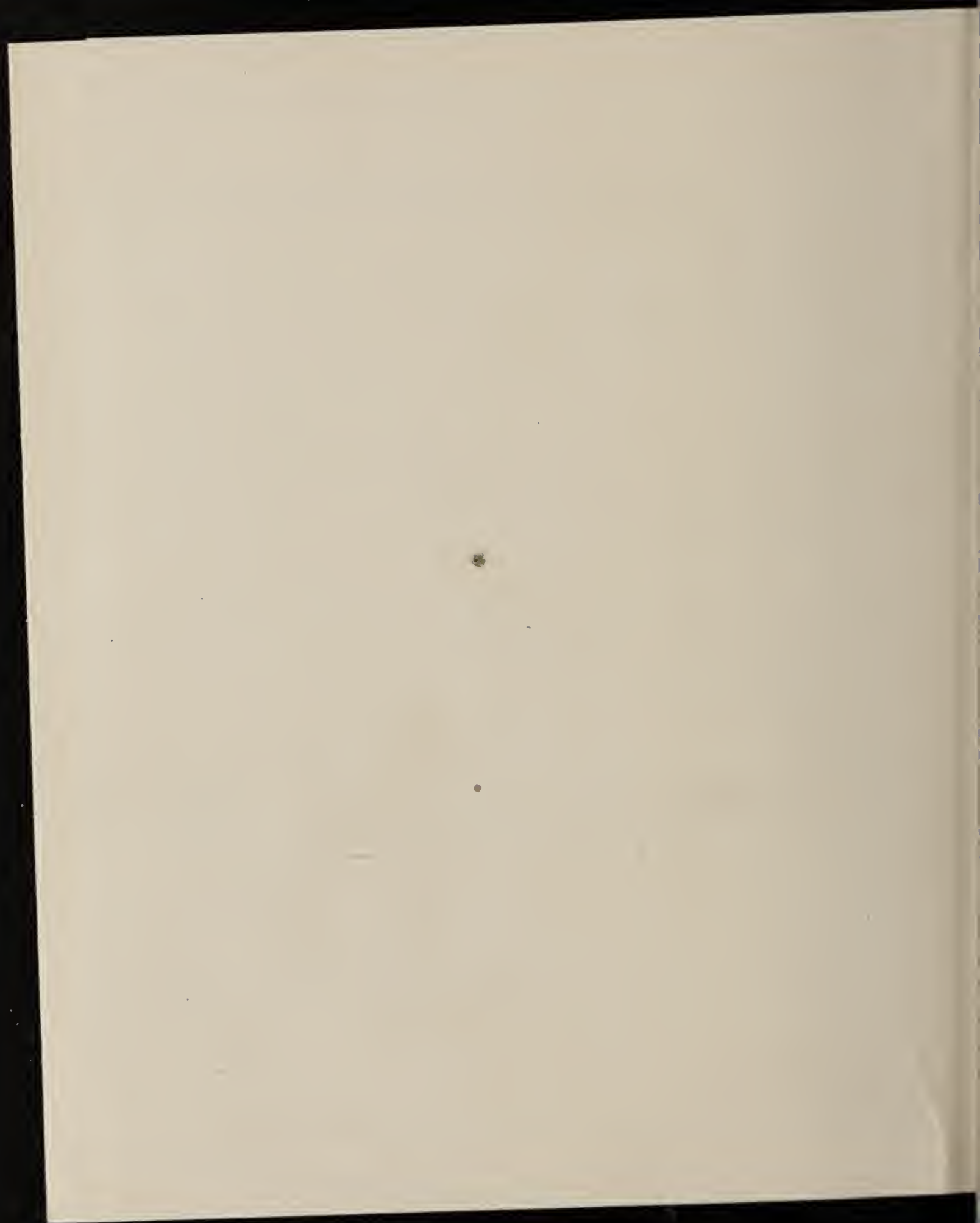
| Kind | Length in Miles | | | Area in Square Yards | | |
|-----------------------|-----------------|--------------|-----------------|----------------------|-----------------|-----------------|
| | Laid in 1920 | Removed 1920 | To Date 3/31/21 | Laid in 1920 | Removed in 1920 | To Date 3/31/21 |
| Granite Block | 0.085 | 0.331 | 11.920 | 950 | 3,692 | 305,784 |
| Vitrified Brick | None | None | 2.929 | None | None | 57,541 |
| Wood Block | None | None | 3.685 | None | None | 86,617 |
| Bitulithic | 1.608 | None | 14.185 | 30,718 | None | 313,315 |
| Tar Macadam | 3.320 | 0.795 | 25.773 | 55,231 | 19,606 | 417,445 |
| Macadam | None | 3.739 | 47.850 | None | 61,288 | 545,654 |
| Totals | 5.013 | 4.865 | 106.342 | 86,899 | 84,586 | 1,726,356 |

In addition to the above:

| | | |
|---------------------------------------|-------------|----------------|
| Harvard Bridge—Wood Block | 0.185 miles | 5,512 sq. yds. |
| Cambridge Bridge—Granite Block | 0.161 " | 4,044 " |
| Charles River Dam—Granite Block | 0.106 " | 5,469 " |
| Anderson Bridge—Wood Block | 0.041 " | 978 " |

TABLE SHOWING RAINFALL AT STONY BROOK BASIN AT WESTON, AT HOBBS BROOK BASIN IN WALTHAM, AT CITY HALL CAMBRIDGE AND AT BAKER'S BRIDGE, LINCOLN, FOR 1920.

| JANUARY | | | | | FEBRUARY | | | | MARCH | | | | APRIL | | | | MAY | | | | JUNE | | | | JULY | | | | AUGUST | | | | SEPTEMBER | | | | OCTOBER | | | | NOVEMBER | | | | DECEMBER | | | | | | | |
|--------------|-------------|-------------|-----------|----------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-----------|-------|-------|-------|---------|-------|-------|-------|--------------|------|------|------|----------|------|------|------|-------|----|----|----|
| Day of Month | Stony Brook | Hobbs Brook | City Hall | Baker's Bridge | S. B. | H. B. | C. H. | B. B. | S. B. | H. B. | C. H. | B. B. | S. B. | H. B. | C. H. | B. B. | S. B. | H. B. | C. H. | B. B. | S. B. | H. B. | C. H. | B. B. | S. B. | H. B. | C. H. | B. B. | S. B. | H. B. | C. H. | B. B. | S. B. | H. B. | C. H. | B. B. | S. B. | H. B. | C. H. | B. B. | Day of Month | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 2 | | | | | | | | | | | | | 0.86 | 0.23 | 0.76 | 0.76 | 0.11 | 0.11 | 0.09 | 0.17 | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| 3 | | | | | | | | | | | | | 0.21 | 0.12 | 0.17 | T | 0.26 | 0.27 | 0.10 | 0.43 | | | | | 0.80 | 0.87 | 0.71 | 0.87 | | | | | | | | | | | | | | | | 3 | | | | | | | | |
| 4 | | | | | 1.26 | 1.72 | 1.77 | 1.58 | 0.03 | 0.06 | 0.04 | | 0.60 | 0.53 | 0.64 | 0.50 | | | | | 2.27 | 2.25 | 2.39 | 2.00 | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | |
| 5 | | | | | 0.62 | 0.75 | 0.81 | 2.00 | 1.27 | 1.84 | 1.15 | 1.45 | | | | | | | | | 0.16 | 0.15 | 0.18 | 0.31 | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | |
| 6 | | | | | 0.24 | 0.12 | 0.14 | 0.23 | | | | | 0.20 | 0.21 | 0.18 | 0.17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | 0.58 | 0.31 | 0.50 | 0.40 | | | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | |
| 8 | 1.04 | 0.84 | 0.80 | 0.82 | | | | | | | | | | | | | 0.21 | 0.14 | 0.18 | 0.43 | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | |
| 9 | | | | 0.13 | 0.21 | 0.25 | | 0.40 | | | | | | | | | | | | T | | | | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | | | |
| 10 | | | | | | | | | | | | | 0.04 | 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | | | |
| 13 | 0.10 | 0.10 | 0.07 | | 0.76 | 0.52 | 0.38 | 0.30 | 1.08 | 1.00 | 1.17 | 0.97 | 0.58 | 0.57 | 0.44 | 0.50 | 0.07 | 0.05 | 0.24 | | 0.06 | 0.05 | | | | | | | | | | | | | | | | | | | | | | | | | 13 | | | | | |
| 14 | | | | | | | | | | | | | 0.19 | 0.14 | 0.19 | | | | | T | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | | | | |
| 15 | | | | | 0.75 | 0.87 | 1.20 | 0.65 | | | | | | | | | 0.05 | 0.05 | | 0.20 | | 0.20 | 0.64 | 0.53 | 0.35 | 1.85 | 0.21 | 0.77 | | | | | | | | | | | | | | | | | | | 15 | | | | | |
| 16 | 0.07 | 0.08 | 0.06 | | | | | | 0.15 | 0.10 | 0.09 | | | | | | 0.73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | | | | |
| 17 | 0.57 | 0.71 | 0.60 | 0.37 | | | | | | | | | 1.44 | 1.69 | 1.41 | 0.92 | | | | | 1.12 | 1.26 | 0.98 | 1.87 | | | | | | | | | | | | | | | | | | | | | | | 17 | | | | | |
| 18 | 0.16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | | | |
| 19 | 0.05 | 0.09 | 0.12 | | 0.20 | 0.52 | 0.77 | | 0.19 | 0.21 | 0.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | | | |
| 20 | | | 0.13 | | | | | 0.60 | 0.66 | 0.71 | 0.68 | 0.64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | | | |
| 21 | | | | | 0.06 | 0.07 | 0.05 | | | | | | 1.02 | 1.04 | 1.03 | 0.35 | 0.18 | 0.19 | 0.26 | 0.15 | 1.00 | 0.95 | 0.50 | 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | 21 | | | |
| 22 | | | | | 0.26 | 0.27 | 0.25 | 0.30 | | | | | 0.05 | 0.05 | 0.03 | 0.73 | 1.48 | 1.70 | 2.65 | 1.34 | 0.28 | 0.26 | 0.14 | 0.20 | | | | | | | | | | | | | | | | | | | | | | | | 22 | | | | |
| 23 | 0.32 | 0.24 | 0.26 | | 0.06 | 0.04 | 0.06 | | | | | | 0.60 | 0.65 | 0.82 | 0.73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | | | |
| 24 | 0.77 | 0.60 | 0.65 | 0.30 | 0.30 | 0.20 | 0.34 | 0.22 | | | | | 0.21 | 0.21 | 0.19 | 0.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | | | |
| 25 | 0.12 | 0.02 | 0.03 | 0.35 | 0.58 | 0.36 | 0.65 | 0.53 | 0.22 | 0.04 | 0.03 | | | | | | | | | | | | | | 0.30 | 0.23 | 0.32 | 0.20 | | | | | | | | | | | | | | | | | | | | 25 | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | | | |
| 27 | | 0.03 | | | | | | | | | | 0.58 | 0.07 | 0.10 | 0.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | | | | |
| 28 | 0.12 | 0.11 | 0.10 | | | T | 0.10 | 0.03 | | | | | 1.14 | 1.31 | 1.12 | 1.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | | |
| 29 | | | | 0.18 | | | | | 0.30 | 0.24 | 0.22 | 0.17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Total | 3.32 | 2.82 | 2.82 | 2.15 | 5.30 | 5.69 | 6.52 | 6.84 | 3.90 | 4.20 | 3.60 | 3.31 | 5.54 | 5.02 | 5.47 | 5.19 | 3.40 | 3.20 | 4.31 | 3.22 | 7.00 | 6.82 | 6.29 | 6.33 | 1.75 | 3.09 | 1.45 | 2.32 | 2.15 | 1.23 | 1.28 | 1.15 | 2.55 | 3.69 | 2.67 | 4.40 | 2.37 | 1.16 | 1.58 | 1.46 | 5.88 | 5.27 | 6.58 | 5.58 | 5.03 | 5.79 | 4.88 | 4.99 | Total | | | |



GENERAL SEWER CONSTRUCTION

The total length of sewer conduit constructed during the year was 1,067 miles, making a total mileage in the city 163.998 miles. The length of streets newly sewered during the year has been .134 miles, making the total mileage of streets sewered with one or more conduits, 122.534 miles.

The total cost of sewer construction to date has been \$2,-722,047.76.

Sewers have been built upon streets as shown by the annexed schedule.

CATCH BASINS

| | |
|--|------|
| Catch basins with wooden covers | 250 |
| Catch basins with sidewalk flagging | 1068 |
| Catch basins with cast iron "D" frames | 937 |
| Catch basins with miscellaneous covers | 65 |

| | |
|----------------------------|------|
| Total number in city | 2320 |
|----------------------------|------|

Twenty-three new catch basins have been built during the year at a total cost of \$2,374.80.

Sixty-two catch basins have been repaired during the year at a cost of \$1,439.38. 1,289.88 cubic yards of material have been removed from 754 catch basins during the year at a cost of \$4,639.00.

Fifteen persons have been licensed as drain layers during the year.

Permits have been granted for sewer repairs or construction as follows:

| | |
|---|----|
| For repairs | 64 |
| For connection to sanitary sewers | 35 |
| For connection to combined sewers | 76 |
| For connection to storm sewers | 20 |

A total number of 131 permits for connections and 64 for repairs.

CLASSIFIED SCHEDULE OF SEWERS AS BUILT TO APRIL 1, 1921

| | |
|---------------------------------|---------|
| Vitrified and cement pipe | 106.167 |
| Brick | 48.751 |
| Miscellaneous materials | 2.821 |
| Wood | 2.642 |
| Cement Concrete | .314 |
| Iron Pipe | 3.313 |
| | Miles |

| | |
|--|---------|
| Total length of sewer conduit constructed to date..... | 163.998 |
|--|---------|

MAINTENANCE

| | |
|---------------------|-------------|
| Appropriation | \$24,045 00 |
| Expended | 24,014 91 |
| Balance | \$30 09 |

Expended

| | |
|------------------------------------|--------------------|
| Catch basin repairs | \$1,232 09 |
| Catch basin cleaning | 4,639 00 |
| Cleaning and repairing gates | 2,476 32 |
| Cleaning sumps | 278 37 |
| Cleaning and flushing sewers | 341 47 |
| Manhole repairs | 280 70 |
| General expense | 11,555 83 |
| Sewer repairs | 1,508 84 |
| Garage and stable expense | 975 93 |
| Office | 726 36 |
| Total | \$24,014 91 |

CONSTRUCTION GENERAL

| | |
|----------------------|-------------------|
| Appropriation | \$85,705 52 |
| Expended | 78,418 55 |
| Balance | \$7,286 97 |

Expended

| | |
|---|--------------------|
| New catch basins | \$2,374 80 |
| General expense | 6,796 17 |
| Whittemore Avenue Sewer | 180 39 |
| Buckingham Street Sewer | 1,885 40 |
| Lake View Avenue Sewer } | 5,283 62 |
| Worthington Street Sewer } | |
| Lexington Avenue Sewer | |
| Fayerweather Street Sewer | 16,405 42 |
| Willow Street Sewer | 10,309 64 |
| Albany Street Sewer | 7,771 91 |
| Lechmere Street Sewer | 471 91 |
| Sixth Street Sewer | 2,521 25 |
| Highland Avenue Sewer | 6,954 79 |
| Aberdeen Avenue Sewer | 2,433 53 |
| Saville Street Sewer | 363 54 |
| Elm Street Sewer | 2,666 37 |
| Charles River Road Sewer | 670 66 |
| Union Street Sewer | 11,329 15 |
| Total expenditures for 1920-1921 | \$78,418 55 |

Revenue

| | |
|-------------------------------------|-------------------|
| Sewer Assessments | \$2,387 90 |
| Sundry receipts (Maintenance) | |
| Total | \$2,387 90 |

METROPOLITAN SEWER TAX

| | |
|---------------------------------|--------------|
| Appropriation | \$136,545 79 |
| Sinking Fund requirements | \$31,866 85 |
| Interest account | 53,399 44 |
| Maintenance and operation | 45,821 90 |
| Maturing serial bonds | 3,457 60 |

MOSQUITO SUPPRESSION

The work on mosquito suppression was begun April 26, 1920, and continued throughout the season until September 18, 1920, along substantially the same line as those used in previous years and with excellent results. Very few complaints were received of the presence of mosquitoes in any large numbers. The large areas of mosquito breeding land on the water front, near Fowler Street was kept drained and oiled, and all the ponds and pools in the western part of the city were kept oiled. The catch basins of the city were dosed every two weeks with fuel oil. In all 13,455 catch basins oilings were made during the season on the 2,300 catch basins in the city.

| | |
|--|-------------------|
| The annual appropriation for 1920 was..... | \$3,000 00 |
| Additional appropriation | 419 01 |
| Total | <u>\$3,419 01</u> |

EXPENDED

| | |
|--|-------------------|
| For Inspector and Labor | \$2,257 74 |
| For hire of auto, team and repairs | 706 00 |
| For oil | 416 00 |
| Miscellaneous | 39 27 |
| Total | <u>\$3,419 01</u> |

WATER WORKS

Water wasted over Stony Brook Dam as follows:

| | Gallons |
|-----------------------|----------------------|
| January, 1920 | 100,000,000 |
| February, 1920 | 48,000,000 |
| March, 1920 | 2,936,000,000 |
| April, 1920 | 1,600,000,000 |
| May, 1920 | 923,000,000 |
| June, 1920 | 973,000,000 |
| July, 1920 | 165,000,000 |
| August, 1920 | |
| September, 1920 | |
| October, 1920 | |
| November, 1920 | 19,000,000 |
| December, 1920 | 455,000,000 |
| | <u>7,399,000,000</u> |

The total passing the dam during the year 1920 was..... 7,399,000,000

Table Showing Comparison by Months of the Precipitation at Stony Brook Basin, Hobbs Brook Basin, Baker's Bridge, and Cambridge City Hall; Also the Number of Days in Which Rain Fell at City Hall in 1920.

| Point of Observation | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept | Oct. | Nov. | Dec. | Total |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Stony Brook Basin. | 3.32 | 5.30 | 3.90 | 5.54 | 3.40 | 7.00 | 1.75 | 2.15 | 2.55 | 2.37 | 5.88 | 5.03 | 48.19 |
| Hobbs Brook Basin. | 2.82 | 5.69 | 4.20 | 5.02 | 3.20 | 6.82 | 3.09 | 1.23 | 3.69 | 1.16 | 5.27 | 5.79 | 47.98 |
| Baker's Bridge..... | 2.15 | 6.84 | 3.31 | 5.19 | 3.22 | 6.33 | 2.32 | 1.15 | 4.40 | 1.46 | 5.58 | 4.99 | 46.94 |
| City Hall..... | 2.82 | 6.52 | 3.60 | 5.47 | 4.31 | 6.29 | 1.45 | 1.28 | 2.67 | 1.58 | 6.38 | 4.88 | 47.45 |
| No. of days in which rain fell..... | 10 | 12 | 9 | 11 | 9 | 9 | 5 | 9 | 7 | 3 | 8 | 9 | 101 |

Sewers Constructed Between April 1, 1920, and April 1, 1921

| Street | From | To | Material | Size in Inches | | | Number of | | | Average Depth in Feet | Length in Feet | | | Cost | | Time when work was | |
|-----------------------------|---------------------|----------------------|-----------------------|----------------|-------|----------|-----------|------------|--------|-----------------------|----------------|-------|----------|----------|----------|--------------------|----------------|
| | | | | Combined | Storm | Sanitary | Man-holes | Lamp-holes | Inlets | | Combined | Storm | Sanitary | Per Foot | Total | Begun | Finished |
| Albany St. | E. of Erie St. | E'ly to old dead end | Conerete & Akron Pipe | | 36-38 | 8 | 1 | | 40 | 12.1 | | 313.6 | 310.0 | 24.79 | 7771.91 | May 27, 1920 | Sept. 21, 1920 |
| <i>a</i> eBuckingham St. | End as built 1920 | near Concord Av. | Akron Pipe | ..... | 10 | 8 | ..... | ..... | 20 | 11.0 | ..... | 110.7 | 110.7 | ..... | 1885.40 | April 1, 1920 | April 10, 1920 |
| Charles River Rd. | E. of Wadsworth St. | E'ly | " " | ..... | 10 | 8 | ..... | ..... | 2 | 10.0 | ..... | 23.2 | 21.7 | 24.95 | 578.85 | Nov. 12, 1920 | Nov. 27, 1920 |
| <i>b</i> Fayerweather Cir. | Fayerweather St. | W'ly | " " | ..... | 10 | 8 | ..... | 2 | 21 | 9.5 | ..... | 205.1 | 207.0 | ..... | ..... | Sept. 18, 1920 | Nov. 20, 1920 |
| <i>a-c</i> Fayerweather St. | Vassal Lane | Fayerweather Cir | " " | ..... | 10 | 8 | 4 | ..... | 112 | 10.0 | ..... | 148.7 | 1482.3 | 9.71 | 16405.42 | April 12, 1920 | Nov. 20, 1920 |
| Highland Ave. | Cambridge St. | near Broadway | " " | ..... | ..... | 8 | 2 | 1 | 70 | 9.6 | ..... | ..... | 957.8 | 7.26 | 6954.79 | Oct. 7, 1920 | Dec. 18, 1920 |
| Leehmere St. | Commercial Ave. | W'ly | " " | ..... | 10 | ..... | ..... | ..... | 5 | 6.5 | ..... | 147.6 | ..... | 6.58 | 971.91 | July 9, 1920 | July 19, 1920 |
| <i>d</i> Lexington Ave. | S. of Huron Ave. | S'ly. | " " | ..... | ..... | 8 | 1 | ..... | 38 | 9.6 | ..... | ..... | 505.5 | ..... | 5283.62 | Mar. 31, 1920 | Mar. 19, 1921 |
| <i>a</i> Union St. | Hampshire St. | Lincoln St. | " " | ..... | 12-10 | 8 | 2 | 1 | 88 | 10.2 | ..... | 651.1 | 669.1 | 16.93 | 11329.15 | Nov. 23, 1920 | Feb. 17, 1921 |
| Willow St. | Cambridge St. | S'ly | " " | ..... | ..... | 10 | 2 | ..... | 23 | 10.3 | ..... | ..... | 677.7 | 15.21 | 10309.64 | April 29, 1920 | July 21, 1920 |

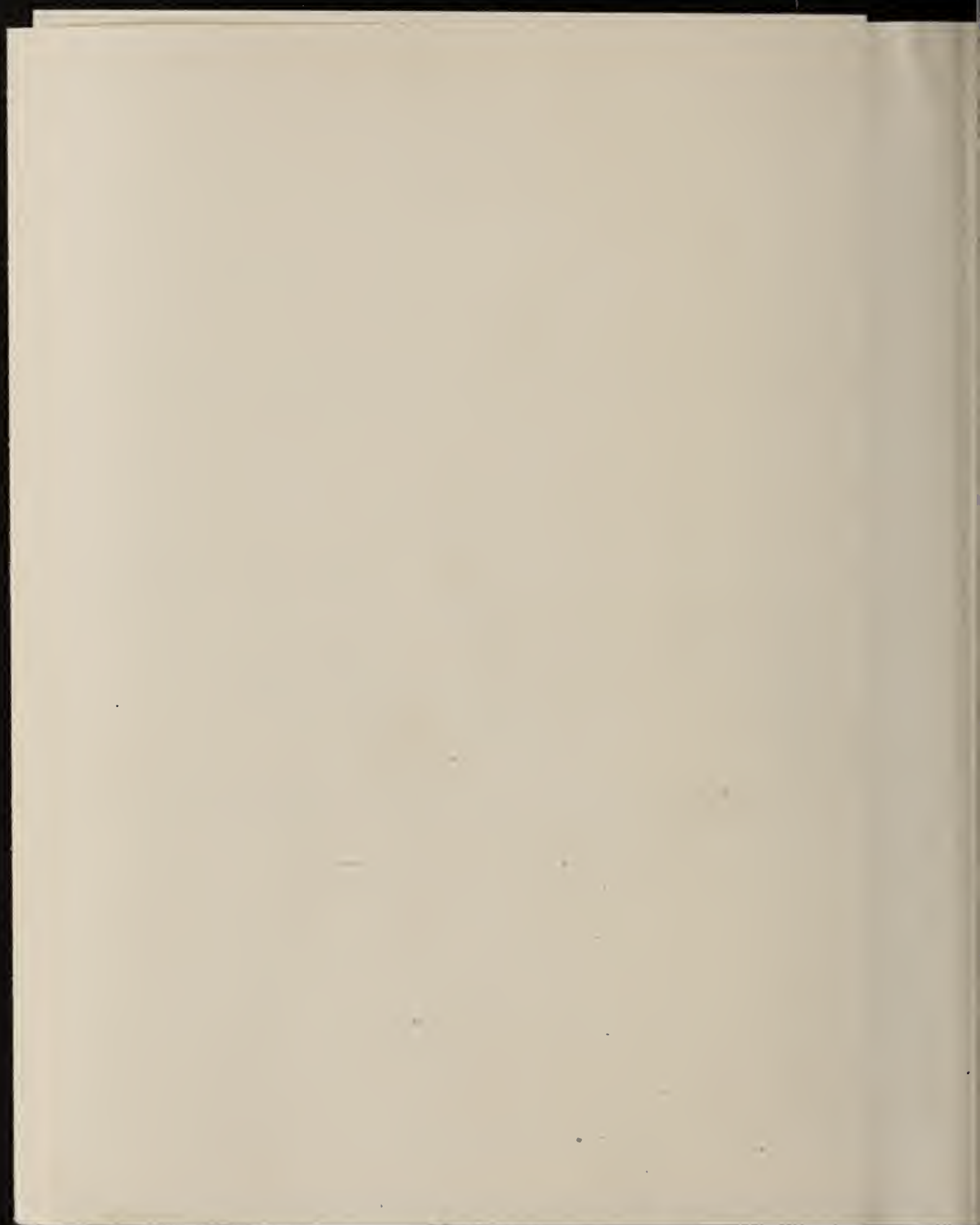
a Storm length given is replacement of old sewer, not figured in mileage.

b Cost included in Fayerweather St. cost.

c Cost includes Fayerweather Cir. cost.

d Job not completed.

e Completion of job started previous season.



SUMMARY OF SEWERAGE STATISTICS

(In form recommended by Sanitary Section of Boston Society
Civil Engineers.)

For the year ending April 1, 1921.

CAMBRIDGE, MASSACHUSETTS

General

| | |
|---|-----------------|
| Population by census of 1920 | 109,694 |
| Total area of City | Sq. Miles 6.535 |
| Area served by sewerage system .....about | 6. |
| | Miles |
| Collection system for sewage only | 40.150 |
| Collection system for sewage and surface water | 111.621 |
| Collection system for surface water only | 12.227 |
| Method of disposal, discharge into ocean by the Metropolitan (State) sewer. | |

COLLECTION

Mains (everything but house and catch basin connections).

| | For sewage only | For sewage and surface water | For surface water only |
|--------------------------------------|--------------------------|------------------------------------|------------------------------|
| Lineal feet extended during the year | 4941.8 | 0 | 689.5 |
| Method of flushing | By use of hydrant hose | | |
| Method of cleaning | By scraping and flushing | | |

HOUSE CONNECTIONS

| | |
|-------------------------------|--------------------|
| By whom made | By property owners |
| Sizes | 6-inch diameter |
| Number made during year | 131 |

CATCH BASINS

| | |
|--|---------|
| Number of new ones built | 23 |
| Number cleaned | 754 |
| Average amount of material removed per catch basin (cu. ft.) | 46.189 |
| Cost of removing materials per cubic yard | \$3.595 |
| Cost removing material per catch basin per year..... | \$6.152 |
| Number of new M. H. built | 12 |
| Number of new L. H. built | 4 |

DISCHARGE OF SEWAGE

| | |
|--|---------|
| Estimated population using sewer system..... | 114,203 |
| Number of buildings connected (estimated at) | |

FINANCIAL

CONSTRUCTION

RECEIPTS

| | |
|---|-------------|
| Bonds issued | \$83,317 62 |
| Assessments not available for expenditures | 2,387 90 |
| Appropriation | 85,705 52 |

EXPENDITURES

| | |
|------------------------|-------------|
| Collection works Mains | \$78,418 55 |
| Balance | \$7,286 97 |

MAINTENANCE AND OPERATION

| RECEIPTS | | EXPENDITURES | |
|---------------------|-------------|---------------------------|-------------|
| Appropriation | \$24,045 00 | Administration | \$13,258 12 |
| Sundries | | Repairs | 3,021 63 |
| | | Cleaning sewers | 2,754 69 |
| | | Cleaning catch basins.... | 4,639 00 |
| | | Flushing sewers | 341 47 |
| | | Balance | 30 09 |
| <hr/> | | <hr/> | |
| Total | \$24,045 00 | Total | \$24,045 00 |
| | | Interest on bonds | |
| | | Sinking Fund | |

GENERAL

Total cost of collecting mains and total cost of work to date...\$2,722,047 76
 Bonded at date
 Value of sinking fund at date.....
 Average rate of interest on bonds $3\frac{1}{2}$ and 5 per cent.
 Proportion of cost of system assessed on abutters estimated at $\frac{3}{4}$.
 Yearly assessment for maintenance, nothing.
 Method of assessing abutters and rate of assessment, based on frontage
 and area of lot within 100 feet of street.

THE ENGINEERING DEPARTMENT IS ORGANIZED AS FOLLOWS:

City Engineer

LEWIS M. HASTINGS

Principal Assistant

GEORGE DAVIS

Assistants

HENRY T. BURRAGE, Office Assistant and Draughtsman
 G. FRANK HOOKER, in charge of Street Work
 EDGAR W. DAVIS, in charge of Sewer Work

Transitman

RAY L. COOLIDGE

Rodman

EDWARD SMITH

Clerk and Stenographer

GENEVIEVE G. HANNON

Superintendent of Sewers

THOMAS P. O'NEILL

Respectfully submitted,

L. M. HASTINGS,
 City Engineer.

REPORT OF THE BUILDING DEPARTMENT

February 7, 1921.

Hon. Edward W. Quinn, Mayor, Cambridge, Mass.

Dear Sir:—In accordance with the revised ordinances of this city, I transmit herewith the annual report of the Building Department for the year ending December 31, 1920.

INSPECTION OF BUILDINGS

| | |
|---|-------|
| Number of applications received and permits granted | 938 |
| Number of inspections of buildings | 4,051 |
| Number of violations | 116 |

INSPECTION OF GAS FITTING

| | |
|---|-------|
| Number of applications received and permits granted | 1,778 |
| Number of inspections and tests | 2,943 |
| Number of violations | 110 |

INSPECTION OF PLUMBING

| | |
|---|-------|
| Number of applications received and permits granted | 432 |
| Number of inspections and tests | 1,648 |
| Number of violations | 17 |

INSPECTION OF ELEVATORS

| | |
|---|-----|
| Number of applications received and permits granted | 25 |
| Number of inspections and tests | 480 |
| Number of violations | 110 |

Yours respectfully,

JEREMIAH F. DOWNEY,
Superintendent of Public Buildings.

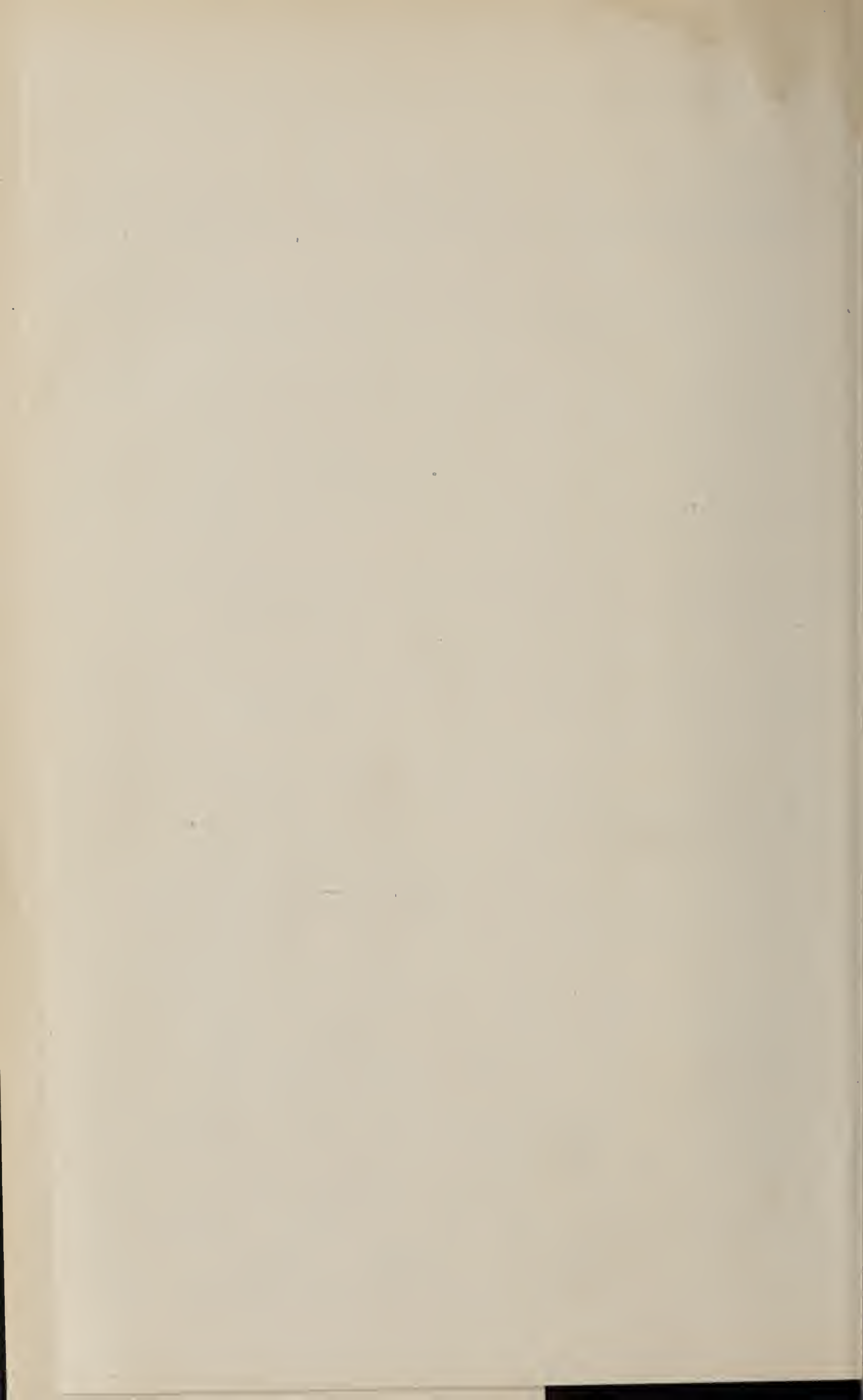
BUILDING DEPARTMENT

Classification of Building Operations by Occupancy

| 1920 | January | | February | | March | | April | | May | | June | | July | | August | | September | | October | | November | | December | | Totals | Cost |
|--------------------|---------|--------|----------|---------|-------|---------|-------|---------|-----|---------|------|-----------|------|---------|--------|---------|-----------|---------|---------|---------|----------|---------|----------|---------|--------|-----------|
| | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | | |
| Apartment | 2 | 485 | | | | | | | | | | | | | | | | | | | | | | | | |
| Churches | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schools & Colleges | | | 1 | 600 | 2 | 400 | | | 1 | 300 | 4 | 503,500 | 3 | 10,200 | 1 | 110,000 | 3 | 2,500 | 1 | 1,000 | 2 | 2,700 | | | 18 | 631,200 |
| Dwellings | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 Family | 3 | 21,150 | 3 | 28,200 | 8 | 8,540 | 11 | 12,530 | 17 | 2,525 | 13 | 28,215 | 17 | 50,800 | 14 | 49,270 | 9 | 1,565 | 9 | 14,125 | 5 | 1,385 | 4 | 550 | 113 | 218,855 |
| 2 Family | 1 | 500 | 1 | 1,000 | 7 | 3,515 | 11 | 15,620 | 13 | 7,250 | 2 | 3,500 | 6 | 4,010 | 6 | 1,835 | 4 | 1,475 | 6 | 2,432 | 6 | 3,600 | | | 63 | 44,737 |
| 3 Family | 2 | 950 | 1 | 300 | | | | | 2 | 60 | 2 | 6,050 | 2 | 275 | 9 | 1,935 | 6 | 4,445 | 5 | 5,400 | 5 | 785 | 3 | 1,075 | 37 | 21,275 |
| Factories | 11 | 3,437 | 7 | 73,950 | 12 | 80,025 | 6 | 3,600 | 12 | 228,406 | 9 | 275,850 | 18 | 253,900 | 24 | 158,650 | 14 | 305,325 | 8 | 159,600 | 7 | 11,825 | 5 | 16,275 | 133 | 1,570,843 |
| Garages | 1 | 175 | 5 | 61,245 | 7 | 12,750 | 26 | 116,940 | 28 | 124,460 | 19 | 15,840 | 19 | 18,405 | 20 | 51,995 | 22 | 19,585 | 16 | 255,031 | 20 | 34,750 | 5 | 28,000 | 188 | 739,176 |
| Stores | 8 | 8,525 | 7 | 4,580 | 16 | 19,595 | 8 | 6,635 | 8 | 40,305 | 2 | 550 | 5 | 13,310 | 4 | 10,575 | 5 | 4,200 | 9 | 8,510 | 6 | 19,200 | 4 | 6,825 | 82 | 142,810 |
| Storage | 3 | 13,600 | 4 | 70,800 | 3 | 6,800 | 10 | 76,325 | 8 | 15,125 | 15 | 603,685 | 4 | 29,200 | 5 | 24,650 | 11 | 74,415 | 10 | 35,325 | 10 | 29,540 | 3 | 33,500 | 86 | 1,012,965 |
| Miscellaneous | 3 | 1,700 | 7 | 3,380 | 12 | 14,119 | 12 | 15,664 | 16 | 63,978 | 8 | 12,950 | 9 | 6,328 | 5 | 1,105 | 5 | 1,811 | 12 | 236,475 | 16 | 59,545 | 10 | 16,375 | 115 | 433,430 |
| Torn Down | 2 | | 3 | | 9 | | 12 | | 10 | | 6 | | 4 | | 4 | | 3 | | 5 | | 4 | 2 | | 64 | | |
| Totals | 36 | 50,522 | 39 | 244,055 | 81 | 446,454 | 98 | 247,764 | 115 | 482,409 | 83 | 1,536,740 | 87 | 386,428 | 95 | 412,495 | 84 | 415,751 | 89 | 727,848 | 87 | 215,370 | 38 | 104,875 | 932 | 5,270,711 |

TABLE SHOWING NUMBER AND VALUATION OF PERMITS FOR EACH CLASS OF CONSTRUCTION

| 1920 | | January | | | February | | | March | | | April | | | May | | | June | | | July | | | August | | | September | | | October | | | November | | | December | | | Tot 1920 | | | | |
|---------------------------|------|---------|-----|-------|----------|-----|-------|-------|-----|-----|-------|-----|------|-----|------|-------|--------|-------|------|------|-------|------|--------|--------|--------|-----------|------|------|---------|-----|------|----------|-------|--------|----------|-------|------|----------|-------|--------|--------|---|
| Class of Construction | | 1st | 2nd | 3rd | 1st | 2nd | 3rd | 1st | 2nd | 3rd | 1st | 2nd | 3rd | 1st | 2nd | 3rd | 1st | 2nd | 3rd | 1st | 2nd | 3rd | 1st | 2nd | 3rd | 1st | 2nd | 3rd | 1st | 2nd | 3rd | 1st | 2nd | 3rd | Totals | | | | | | | |
| Apartments | New | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| | Add. | | 1 | 1 | | | | | | | | | | | | | | 1 | 1 | | | | | | 3 | | 2 | | 4 | 4 | | 2 | 4 | 1 | 275000 | | | | | | | |
| Churches | New | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| | Add. | | | | | | | | | | | | | | | | | 80000 | | | | | | | | | | | | | | | | 80000 | | | | | | | | |
| College & School Bldgs | New | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | 5 | | | | | | | | |
| | Add. | | | | | 1 | | | 2 | | | | | | 1 | | | 2 | 1 | | | | | | | 1 | 1 | | | 1 | | | | 513200 | | | | | | | | |
| Dwellings | New | | | 1 | | | 1 | | | | | | 1 | | | | | 1 | | | 2 | | | 3 | | | | | | | | | | 13 | | | | | | | | |
| | Add. | | | 11000 | | | 100 | | | | | | 3200 | | | | 7000 | | | | 32000 | | | 45000 | | | | | 1 | | | | | 118900 | | | | | | | | |
| 1 Family | New | | | 2 | | | 2 | | | | | | 8 | | 1 | 16 | | | | | 15 | | | 1 | | | | | | | | | | 10 | | | | | | | | |
| | Add. | | | 10150 | | | 182 | | | | | | 9330 | | 50 | 2475 | | | | | 18800 | | | 500 | 2770 | | 9 | | | | 8 | 5 | 1185 | 103 | | | | | | | | |
| Dwellings | New | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| | Add. | | | 1 | | | 1 | | | | | | 7 | | | 13 | | | 2 | | 6 | | | 6 | | | 4 | | | | | 5 | 6 | 11000 | | | | | | | | |
| 2 Family | New | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| | Add. | | | 500 | | | 100 | | | | | | 3515 | | | 4620 | | | 7250 | | | 4010 | | | 1735 | | | | | | 5 | 432 | 6 | 63 | | | | | | | | |
| Dwellings | New | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| | Add. | | | 2 | | | 30 | | | | | | 4 | | | 60 | | | 2 | | 275 | | | 9 | | | 6 | | | | | 6 | 4 | 32787 | | | | | | | | |
| 3 Family | New | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| | Add. | | | 950 | | | 1 | | | | | | 300 | | | 2 | | | 6050 | | | | | | 1935 | | | 4445 | | | | 7400 | 4 | 510 | 41 | | | | | | | |
| Factories | New | | | | | | 1 | | | | | | 3 | | | 1 | 2 | 1 | 2 | 1 | 1 | | | 14 | 1 | | | | | | | | | 23100 | | | | | | | | |
| | Add. | 2 | 5 | 4 | 1 | 2 | 3 | 1 | 5 | 3 | 1 | 1 | 3 | 1 | 5 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 8000 | 117000 | 290000 | 3000 | | | 2 | 1 | | 10000 | 10000 | 130000 | 39 | | | | | | | |
| Garages | New | | | 1 | | | 2 | | | | | | 8 | | 1 | 13 | 12 | 5 | 7 | | 4 | | 8 | | 1 | | 7 | | | | | | | 106 | | | | | | | | |
| | Alt. | | | 175 | | | 12 | | | | | | 5500 | | 500 | 14380 | 108975 | 11300 | 4085 | 6200 | 3500 | 4360 | 1350 | 3550 | 9080 | 2700 | 1300 | 3895 | 9700 | 300 | 6475 | 251300 | 1600 | 2050 | 16350 | 15000 | 3050 | 27300 | 500 | 149 | | |
| Stores & Offices | New | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| | Add. | | | 2500 | | | | | | | | | 6700 | | | 38000 | | | 2 | | 12000 | | | | | | | | | | | 3 | 7950 | | 200 | 82826 | | | | | | |
| Storage | New | | | 4 | | | 2 | | | | | | 9 | | | 2 | | | 3 | | | | | | | | | | | | | | | 9 | | | | | | | | |
| | Add. | | | 4650 | | | 13303 | | 250 | | | | 9520 | | 3375 | 2100 | 4385 | 150 | | 1025 | 3 | 1280 | 200 | 2 | 350 | 1 | | 500 | | | | 3 | 360 | 3200 | 15200 | 200 | 5000 | | 6750 | 75 | 78 | |
| Miscellaneous | New | | | | | | 1 | | | | | | 1 | | | 4 | | | 1 | | | | | | | | | | | | | | | | 1 | | | | | | | |
| | Add. | | | 10000 | | | 2 | | | | | | 3200 | | 1 | 300 | | | 2 | | | | | | | | | | | | | | 2 | 6000 | | 1 | 7250 | | 15000 | 9600 | 30000 | 1 |
| | New | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| | Add. | | | 2 | | | 1 | | | | | | 3 | | | 21 | | | 4 | | | | | | | | | | | | | | 2 | 3 | 2 | 13550 | | 3990 | 2500 | 1000 | 103565 | |
| | New | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| | Add. | | | 5 | | | 4 | | | | | | 6 | | 18 | | | 22 | | 1 | 2 | 11 | | | | | | | | | | 2 | 3 | 1 | 3 | 1 | 6125 | 227177 | 96 | 104605 | | |



Classification of Building Operations by Construction

| 1920 | January | | February | | March | | April | | May | | June | | July | | August | | September | | October | | November | | December | | Totals | |
|---|---------|--------|----------|---------|-------|---------|-------|---------|-----|---------|------|-----------|------|---------|--------|---------|-----------|---------|---------|---------|----------|---------|----------|---------|--------|-----------|
| | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost | No. | Cost |
| New Buildings: 1st Class 2nd Class 3rd Class Additions & Alteration: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2 | 42,500 | 3 | 280,500 | 9 | 84,750 | 13 | 249,850 | 11 | 1,329,200 | 7 | 174,350 | 5 | 42,000 | 6 | 356,500 | 9 | 462,800 | 8 | 15,650 | 2 | 27,300 | 75 | 3,065,400 |
| | 1 | 2,500 | 2 | 79,000 | 8 | 84,300 | 3 | 59,500 | 9 | 122,300 | 3 | 108,500 | 9 | 114,250 | 4 | 139,300 | 2 | 3,300 | 6 | 152,550 | 4 | 40,000 | 1 | 30,000 | 52 | 935,500 |
| | 4 | 12,375 | 6 | 12,825 | 4 | 2,185 | 20 | 27,405 | 17 | 13,383 | 18 | 28,195 | 13 | 45,360 | 25 | 165,895 | 12 | 8,121 | 13 | 28,325 | 12 | 15,200 | 7 | 22,125 | 151 | 381,398 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alteration: 1st Class 2nd Class 3rd Class Torn Down | 3 | 1,000 | 2 | 48,000 | 5 | 11,620 | 7 | 37,045 | 1 | 550 | 3 | 10,250 | 2 | 6,850 | 5 | 15,250 | 12 | 17,000 | 8 | 29,300 | 10 | 53,125 | | | 58 | 229,990 |
| | 11 | 17,290 | 8 | 32,430 | 21 | 43,324 | 11 | 19,736 | 13 | 9,950 | 16 | 19,350 | 17 | 16,373 | 10 | 34,875 | 10 | 14,100 | 13 | 34,845 | 13 | 74,800 | 10 | 19,125 | 153 | 336,198 |
| | 15 | 17,357 | 16 | 29,300 | 31 | 24,525 | 36 | 19,328 | 51 | 86,376 | 26 | 41,245 | 35 | 29,245 | 42 | 15,175 | 39 | 16,726 | 35 | 21,028 | 36 | 16,595 | 16 | 6,325 | 378 | 322,225 |
| | 2 | | 3 | | 9 | | 12 | | 11 | | 6 | | 4 | | 4 | | 3 | | 5 | | 4 | 2 | | 65 | | |
| Totals | 36 | 50,522 | 39 | 244,055 | 81 | 446,454 | 98 | 247,764 | 115 | 482,409 | 83 | 1,536,740 | 87 | 386,428 | 95 | 412,495 | 84 | 415,751 | 89 | 727,848 | 87 | 215,370 | 38 | 104,875 | 932 | 5,270,711 |

REPORT OF THE TRUSTEES OF THE SAUNDERS TEMPERANCE FUND

Cambridge, Massachusetts.

Gentlemen:

I wish at this time to submit to you this statement of the work which I have been doing as City Missionary for your approval. I have attended the Third District Court on an average of twice a week, and offered my services to the officers of said Court pertaining to my work. From time to time I have attended to matters which they have called to my attention. I have also been called upon to give assistance to some unfortunates in this City, which I have done, namely providing board and room, and also sometimes food for people who were in need. During Christmas week I received quite a few names from citizens in this City of people in need, and they were provided with Christmas dinners.

Respectfully submitted,

BERNARD J. BROGAN,
City Missionary.

REPORT OF THE TRUSTEES OF THE
DOWSE INSTITUTE FOR THE YEAR
OF 1920-1921.

To the Honorable, the City Council:

Gentlemen:—During the year 1920-21 the Trustees of the Dowse Institute co-operated with the School Committee in maintaining neighborhood centers in the schoolhouses.

Respectfully,

JOSEPH H. BEALE,
Clerk of the Trustees.

REPORT OF THE TRUSTEES OF THE BRIDGE CHARITABLE FUND

The following is the forty-third annual report relative to this fund, as prepared by the City Treasurer:

Founded by the late Levi Bridge of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death (April 15, 1876), the amount of said fund came into the hands of the city. In October, 1877, Mr. Samuel F. Bridge, a relative of the founder, gave a sum sufficient to double the amount. When the fund reached two thousand dollars, one-third of the income was to be added to the principal and two-thirds of the income was to be paid over annually to the Overseers of the Poor, to be expended for the deserving poor of Cambridge. The trustees consist of the Mayor, the President of the City Council and the Chairman of the Board of Overseers of the Poor.

As all the essential facts in relation to this fund are recited in the report of the City Treasurer, the Trustees desire only to repeat the suggestion embodied in previous reports, that other charitable persons may be disposed to add their contributions to the fund.

EDWARD W. QUINN,
JAMES T. BARRETT,
JOHN R. McCOOL,

Trustees of the Bridge Charitable Fund.

BOARD OF HEALTH

ELIE H. LAPIERRE, Chairman

JOSEPH M. WADDEN, M. D.

JEREMIAH S. SULLIVAN

Medical Inspector

*JOSEPH M. WADDEN, M. D. (Acting)

S. B. KELLEHER, M. D.

Clerk

JOHN D. CROWLEY

Secretary

MARY A. CRANE

Settlement Worker

RENA ESTABROOK

Office Assistants

AGNES M. WADDEN

GERTRUDE M. MANNING

Inspector of Provisions

JOSEPH L. JOHNSON

Inspector of Slaughtering

DAVID L. BOLGER, D. V. S.

Sanitary Inspectors

CHARLES A. LINCOLN

MICHAEL T. WALSH

FRANCIS H. NUGENT

PATRICK J. MURPHY

Plumbing and Housing Inspector

AUGUSTIN M. JOHNSON

Driver

DENNIS SULLIVAN

Bacteriologist

WALTER C. FEELEY, M. D.

Inspector of Milk and Vinegar

WILLIAM A. NOONAN, M. D.

Collector of Samples

THOMAS J. COLLINS

School Inspectors

WILLIAM H. CLANCY, M. D.

SAMUEL E. CHALFEN, M. D.

WILLIAM E. FLEET, M. D.

JOSEPH M. WADDEN, M. D.

CHARLES M. HUTCHINSON, M. D.

JOHN P. NELLIGAN, M. D.

JOHN F. FAIR, M. D.

EUGENE A. McCARTHY, M. D.

FRANCIS J. BARNES, M. D.

WILLIAM H. BURKE, M. D.

ARTHUR MOLL, M. D.

JOHN J. MURPHY, M. D.

SUMNER C. ANDREWS, M. D.

Head School Nurse

MARY C. CHURCH, R. N.

Assistant School Nurses

BEATRICE E. DOHERTY, R. N.

MARGARET N. H. McGRATH

HELEN S. DAVIS, R. N.

MARY A. KENNEY, R. N. (High)

KATHRYN M. HURLEY, R. N.

M. ETTA TIERNEY

MINNIE K. MURPHY, R. N.

MARGARET T. DINAN, R. N.

School Dentists

EMILY M. LUCK, D. M. D.

MATTHEW F. SHEA, D. M. D.

Physician to Tuberculosis Hospital

FELIX F. McGIRR, M. D.

Matron at Tuberculosis Hospital

MINNIE A. SIMPSON, R. N.

Physician to Tuberculosis Dispensary

PATRICK J. FLEMING, M. D.

Tuberculosis Nurses

MARY L. THACHER, R. N.

HELEN C. CUMMINGS, R. N.

Infant Welfare Nurses

MARY A. MacDONALD, R. N.

BRIDGET A. HEANUE, R. N.

Contagious Disease Nurses

ANNA B. DRISCOLL, R. N.

ANNA E. MAGUIRE, R. N. (Me.)

*Resigned.

REPORT OF THE BOARD OF HEALTH

January 1, 1921.

To the Honorable, the City Council of the City of Cambridge, Mass.:

In compliance with the General Laws, Chapter III., Section 28, the Board of Health submits herewith its Annual Report for the year ending December 31, 1920.

The year shows a slight increase in the number of deaths in the city, which may be accounted for by the number of deaths from pneumonia incident to the recurrence of influenza which reached its peak on February 10. It is also worthy of note that the stillbirths increased during the year, with twelve during the month of February.

In connection with the outbreak of influenza and pneumonia preparations were made to open an emergency hospital, if necessary, but fortunately through co-operation and co-ordination of hospitalization the existing local hospitals were able to provide for all necessary cases by restricting the admission of ordinary non-urgent surgical and medical cases.

In March the attention of the Board was called to an unusual number of diarrheal cases in which the city in general was affected. Investigation showed that of the known cases the first symptoms occurred in fifty-five per cent of the cases during the period March 13 to 18 inclusive, and seventy-three per cent of all the cases were reported during this period. The Water Department was requested immediately to have a special analysis of the water supply. The result of this examination was made known on March 20 and subsequently the Board of Health issued notice advising the boiling of water, before using for human consumption, until such time as means could be employed to properly chlorinate the water supply. Chlorination was begun within twenty-four hours. In the opinion of the Board of Health the contamination of the water was due to the sudden melting of ice and

snow on the water shed, and with the treatment of the water the diarrheal condition subsided. Fortunately there were no deaths directly traceable to this outbreak. The Water Board has, as you know, begun the installation of a permanent filtration plant at Fresh Pond.

In October, Doctor Wadden, who had assisted Doctor Peirce as Medical Inspector during the latter's absence in war service, and who acted as Medical Inspector subsequent to the resignation of Doctor Peirce, resigned to become a member of the Board of Health.

On November 1, Simon B. Kelleher, M. D., a veteran of the 26th Division, A. E. F., was permanently appointed Medical Inspector, and the Department again resumed its pre-war program.

The repeated efforts of the Board to have provision made to increase the number of nurses in the Department were materialized during the year, and three Assistant School Nurses, one additional Tuberculosis Nurse, and one additional Contagious Disease Nurse were added to the staff. Miss Driscoll, who had been on duty as Assistant School Nurse, was assigned to Contagious Disease investigation; this change released the Sanitary Inspectors, who have heretofore been carrying on contagious disease investigation, and allowed them considerably more time for their particular work of sanitary inspection. Matthew F. Shea, D.M.D., was employed for half time to assist at the Dental Clinic, this being another step along the lines of progress. Appropriation was provided also for a much needed additional stenographer in the office.

The Board desires to be noted as ever mindful of the need for financial retrenchment, and consistently aims to function its ever increasing fields of work with reasonable economy. It still feels, however, the need of additional nurses and school dentists and is much encouraged for the future by the results of the year just closed.

Attention is called to the reports of the various divisions of the Department which follow in this report.

In conclusion this opportunity is taken to express the appreciation of the Board to the Mayor and City Government, and the employees of the Department, as a whole, for their loyal co-opera-

tion in this field of work which is second to none in our community; it also expresses its sincere appreciation to the many civic organizations which have aided in protecting our public health.

Respectfully submitted,

ELIE H. LAPIERRE, Chairman.
JEREMIAH S. SULLIVAN,
HARRIE M. GARDNER, M. D.,
JOSEPH M. WADDEN, M. D.,
Board of Health.

EXPENDITURES

EXPENDED FOR SALARIES

January 1—December 31, 1920

| | | |
|------------------------------------|------------|-------------|
| Medical Inspector | \$2,733 35 | |
| Bacteriologist | 1,152 00 | |
| Clerk | 1,914 68 | |
| Office Secretary | 690 00 | |
| Social Worker | 1,185 00 | |
| Stenographer | 969 00 | |
| Office Clerk | 756 00 | |
| Office Assistant (temporary) | 66.43 | |
| Inspector of Provisions | 2,349 69 | |
| Sanitary Inspectors | 6,057 81 | |
| Plumber | 708 24 | |
| Driver | 1,557 50 | |
| School Nurses | 8,224 96 | |
| School Physicians | 3,724 97 | |
| Infant Welfare Nurses | 2,352 02 | |
| Culture Collector | 163 45 | |
| Inspector of Slaughtering | 1,065 00 | |
| Dispensary Physician | 504 00 | |
| Tuberculosis Nurses | 1,369 04 | |
| Contagious Disease Nurses | 1,491 27 | |
| | | \$39,034 41 |

EXPENDED FOR GENERAL EXPENSES

January 1—December 31, 1920

Board and care:

| | | |
|----------------------------------|------------|-------------|
| Diphtheria | \$4,043 50 | |
| Scarlet Fever | 8,809 00 | |
| Anterior Poliomyelitis | 202 50 | |
| Cerebro-Spinal Meningitis | 56 92 | |
| Tuberculosis | 586 21 | |
| Measles | 15 00 | |
| Ophthalmia Neonatorum | 6 28 | |
| Suppurative Conjunctivitis | 25 00 | |
| Influenza | 90 00 | |
| | | \$13,834 41 |

Reimbursement of other cities and town and of the Commonwealth:

| | | |
|---------------------|----------|------------|
| Diphtheria | \$161 57 | |
| Scarlet Fever | 815 14 | |
| Tuberculosis | 1,456 06 | |
| Gonorrhea | 106 00 | |
| | | \$2,538 77 |

| | | |
|---|-----------|--|
| Printing and Binding | \$334 68 | |
| Postage | 336 06 | |
| Transportation of Persons | 1,833 81 | |
| Cartage and Freight | 1 99 | |
| Rent, Taxes and Water | 182 82 | |
| Communication | 82 56 | |
| Motor Vehicle Repairs and Care | 221 32 | |
| Care of Persons | 16,373 18 | |
| Fees, Service of Venires, etc. | 20 34 | |
| Office Equipment | 78 40 | |
| Office Supplies | 1,355 20 | |
| Food and Ice | 125 01 | |
| Medical, Surgical, Laboratory, Supplies | 294 11 | |

| | | |
|--|--------|-------------------|
| Motor Vehicle Supplies | 503 08 | |
| Chemicals and Disinfectants | 161 23 | |
| General Plant (Inspectors' Supplies, etc.) | 61 98 | |
| School Inspection | 149 43 | |
| Infant Welfare | 79 74 | |
| Pensions and Annuities | 154 79 | |
| | | <hr/> \$22,349 73 |

EXPENDED FOR TUBERCULOSIS HOSPITAL

January 1—December 31, 1920

Salaries:

| | | |
|--|------------|-------------------|
| Physician | \$1,200 00 | |
| Interne | 576 93 | |
| Matron | 1,214 48 | |
| Supervisor | 465 00 | |
| Nurses | 5,334 26 | |
| Cook | 727 14 | |
| Assistant Cooks | 814 72 | |
| Dishwashers | 692 00 | |
| Laundresses | 1,014 00 | |
| Maids | 762 49 | |
| Scrubwomen | 446 86 | |
| Scrubmen | 548 14 | |
| Engineer | 1,822 29 | |
| Firemen | 4,811 35 | |
| Caretaker | 819 00 | |
| Assistant Caretaker | 455 00 | |
| | | <hr/> \$21,703 66 |
| Printing and binding | \$11 66 | |
| Advertising and posting | 1 50 | |
| Cartage and Freight | 17 36 | |
| Light and Power | 122 31 | |
| Insurance | 82 90 | |
| Communication | 110 17 | |
| Medical | 7 00 | |
| General Plant (Services) | 1,279 07 | |
| Office Supplies | 23 52 | |
| Food and Ice | 20,879 10 | |
| Fuel | 8,976 96 | |
| Medical, Surgical, Laboratory Supplies | 1,315 59 | |
| Laundry, Cleaning, Toilet | 471 65 | |
| Agricultural Supplies | 20 54 | |
| General Plant (Supplies) | 1,875 93 | |
| | | <hr/> 35,195 26 |

EXPENDED FOR INSPECTION OF MILK AND VINEGAR

January 1—December 31, 1920

Salaries:

| | | |
|--------------------------------------|------------|------------------|
| Inspector | \$1,200 00 | |
| Collector of Samples | 1,557 50 | |
| | | <hr/> \$2,757 50 |
| Postage | 12 20 | |
| Transportation of persons | 48 00 | |
| Cartage and Freight | 2 14 | |
| Rent, Taxes and Water | 58 80 | |
| Fees, Services of Venires, etc. | 12 00 | |
| Apparatus, Cable, Wire, etc. | 26 95 | |
| Office Supplies | 56 82 | |

| | | |
|--|--------|------------|
| Medical, Surgical, Laboratory Supplies | 134 02 | |
| Laundry, Cleaning, Toilet | 22 08 | |
| Motor Vehicle Supplies | 753 04 | |
| | <hr/> | \$3,883 55 |

EXPENDED FOR DENTAL CLINIC

January 1—December 31, 1920

| | | | |
|--|------------|------------|------------|
| Salaries : | | | |
| Dentist | \$2,023 37 | | |
| Assistant | 669 14 | | |
| | <hr/> | \$2,692 51 | |
| Office Supplies | | 4 40 | |
| Medical, Surgical, Laboratory Supplies | | 128 16 | |
| | <hr/> | | \$2,825 07 |

BOARD OF HEALTH RECEIPTS—JANUARY 1-DECEMBER 31, 1920

Contagious Diseases (Including all but Tuberculosis)

| | | |
|------------------------|------------|------------|
| State | \$1,484 71 | |
| Cities and Towns | 1,018 25 | |
| Individuals | 1,513 60 | |
| | <hr/> | \$4,016 56 |

Tuberculosis

| | | |
|--|------------|-------------|
| State | 4,484 13 | |
| United States Public Health Service..... | \$7,626 00 | |
| Cities and Towns | 8,212 75 | |
| Individuals | 2,302 10 | |
| Subsidy | 10,164 75 | |
| | <hr/> | \$32,789 73 |
| | | <hr/> |
| | | \$36,806 29 |

MARY A. CRANE,
Secretary.

VITAL STATISTICS

DEATH RATE PER 1,000 LIVING FROM ALL CAUSES
POPULATION 109,944, JULY 1, 1920

| 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 15.30 | 13.40 | 13.69 | 13.42 | 13.39 | 13.94 | 14.52 | 17.99 | 13.14 | 15.06 |
| 16.09 | 14.25 | 14.40 | 14.04 | 14.12 | 14.59 | 14.63 | 20.55 | 12.24 | 14.26 |

The upper row gives the death rate of all deaths in Cambridge; that is, it includes the non-residents that died in the city, but excludes Cambridge residents who died outside the city. The lower row of rates includes Cambridge residents who died outside of the city, and excludes non-residents who died in Cambridge.

The figures given for the population are taken from the Federal Census of July 1, 1920. The mean annual death rate for ten years, 1911 to 1920 inclusive, is 14.38. This includes non-residents who died in the city. The mean annual death rate, excluding non-residents, but including Cambridge residents who died outside the city, is 14.91.

Table A gives causes of death by ages, in accordance with the International Classification of Causes of Deaths, of those persons who died in Cambridge, and includes non-residents.

Table B gives number of cases reported, the morbidity per 1,000 living, death rate per 1,000 living, including residents who died outside the city, and death rate per 100 cases reported of diphtheria, scarlet fever, and typhoid fever for the years 1911 to 1920 inclusive. If death rate per 1,000 living, computed from deaths in the city only, varies from that given in the table, the fact is stated in footnote.

SIMON B. KELLEHER, M. D.,
Medical Inspector.

TABLE A

[illegible]

TABLE A—(Continued)

TABLE B.

| | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 |
|----------------------------------|-------|------|-------|------|-------|------|-------|--------|-------|-------|
| Diphtheria | | | | | | | | | | |
| Number of cases reported..... | 397 | 264 | 219 | 233 | 358 | 375 | 487 | 399 | 249 | 220 |
| Morbidity per 1,000 living..... | 3.75 | 2.45 | 2.35 | 2.15 | 3.28 | 3.42 | 4.42 | 3.58 | 2.22 | 1.09 |
| Death-rate per 1,000 living..... | 0.72 | 0.24 | 0.15 | 0.18 | 0.35 | 0.31 | 0.31 | 0.26 | 0.124 | .727 |
| Case death-rate, percentage.... | 11.06 | 9.85 | 7.31 | 8.58 | 10.61 | 8.80 | 6.98 | 7.268 | 5.62 | 8.63 |
| Scarlet Fever | | | | | | | | | | |
| Number of cases reported..... | 213 | 157 | 129 | 332 | 379 | 172 | 163 | 60 | 189 | 273 |
| Morbidity per 1,000 living..... | 2.04 | 1.47 | 1.20 | 3.07 | 3.48 | 1.57 | 1.47 | 0.53 | 1.69 | 2.53 |
| Death-rate per 1,000 living..... | 0.06 | 0.02 | 0.18 | 0.05 | 1.83 | 0.82 | 0.07 | 0.009 | 0.017 | .072 |
| Case death-rate, percentage.... | 2.82 | 1.27 | 1.55 | 1.51 | 5.28 | 5.24 | 4.92 | 1.69 | 1.06 | 2.87 |
| Measles | | | | | | | | | | |
| Number of cases reported..... | 605 | 1015 | 1085 | 703 | 871 | 454 | 1294 | 1413 | 191 | 910 |
| Morbidity per 1,000 living..... | 5.77 | 9.54 | 10.08 | 6.50 | 7.99 | 6.38 | 11.69 | 12.68 | 1.69 | 8.27 |
| Death-rate per 1,000 living..... | 0.12 | 0.09 | 0.11 | 0.13 | 0.05 | 0.06 | 0.14 | 0.28 | 0.017 | 1.11 |
| Case death-rate, percentage.... | 2.15 | 0.99 | 1.11 | 1.99 | 0.57 | 1.54 | 1.24 | 2.19 | 1.05 | .142 |
| Typhoid Fever | | | | | | | | | | |
| Number of cases reported..... | 56 | 55 | 105 | 51 | 35 | 26 | 33 | 23 | 14 | 17 |
| Morbidity per 1,000 living..... | 0.54 | 0.52 | 0.98 | 0.47 | 0.32 | 0.24 | .298 | 0.206 | 0.124 | .154 |
| Death-rate per 1,000 living..... | 0.05 | 0.05 | 0.12 | 0.03 | 0.03 | .018 | 0.05 | 0.026 | 0.026 | .027 |
| Case death-rate, percentage.... | 8.93 | 9.09 | 12.38 | 5.88 | 8.57 | 7.69 | 15.15 | 13.043 | 21.42 | 17.65 |

The death rate, per 1,000, for those dying in Cambridge in 1920 was, for diphtheria, 0.036; scarlet fever, 0.067.

TABLE C.

| | Death Rates per 1,000 living | | | | | | | | | |
|-----------------------------|------------------------------------|------|------|--------------|--------------|---------------|--------------|----------------|---------------|--------------|
| | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 |
| Cancer..... | 0.92 | 0.80 | 0.77 | 0.97 1.04 | 1.09 1.13 | 0.985 1.12 | 1.16 1.38 | 1.13 1.256 | 0.918 1.29 | 1.29 1.71 |
| Diarrheal Diseases..... | 1.13 | 1.05 | 1.03 | 0.94 0.79 | 0.72 0.62 | .794 .701 | .713 .605 | .753 .655 | .445 .347 | .627 .591 |
| Whooping Cough..... | 0.23 | 0.07 | 0.11 | 0.09 0.09 | 0.12 0.12 | .146 .118 | .063 .063 | .314 .296 | .115 .115 | .227 .209 |
| Bronchitis..... | 0.37 | 0.31 | 0.23 | 0.33 0.32 | 0.32 0.32 | .191 .191 | .172 .172 | .493 .493 | .142 .152 | .163 .163 |
| Pneumonia..... | 1.83 | 1.94 | 1.95 | 1.83 1.66 | 1.61 1.42 | 1.66 1.63 | 1.57 1.45 | 1.489 1.337 | 1.20 1.27 | 1.89 1.87 |
| Pulmonary Tuberculosis..... | 1.45 | 1.30 | 1.34 | 1.25 1.67 | 1.38 1.84 | 1.43 1.74 | 1.35 1.90 | 1.247 1.982 | 1.06 1.57 | .918 1.18 |

In this table the upper number is that derived from the number of death of Cambridge residents who died within or without the city. Non-residents dying in Cambridge are excluded.
The lower number is derived from the actual number of deaths in the city and includes non-residents but excludes Cambridge residents who died outside of Cambridge.

TABLE D

| | Diphtheria | Scarlet Fever | Measles | Chicken Pox | Whooping Cough | German Measles | Mumps | Typhoid Fever | Pulmonary Tuberculosis | Other Forms Tuberculosis | Lobar Pneumonia | Cerebro-Spinal Meningitis | Ophthalmia Neonatorum | Suppurative Conjunctivitis | Septic Sore Throat | Influenza | Bacillary Dysentery | Trachoma | Malaria | Anterior Poliomylitis | Totals |
|--------------|------------|---------------|---------|-------------|----------------|----------------|-------|---------------|------------------------|--------------------------|-----------------|---------------------------|-----------------------|----------------------------|--------------------|-----------|---------------------|----------|---------|-----------------------|--------|
| Week ending: | | | | | | | | | | | | | | | | | | | | | |
| January | 2 | 2 | 8 | 8 | 9 | 0 | 10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41 |
| 3. | 10 | 8 | 30 | 39 | 52 | 0 | 43 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 203 |
| 10. | 7 | 9 | 17 | 29 | 46 | 0 | 50 | 1 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 172 |
| 17. | 7 | 6 | 15 | 23 | 42 | 1 | 39 | 0 | 0 | 0 | 15 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 185 |
| 24. | 7 | 4 | 29 | 19 | 36 | 1 | 52 | 0 | 6 | 1 | 12 | 0 | 0 | 0 | 0 | 256 | 0 | 0 | 0 | 0 | 425 |
| 31. | 2 | 6 | 8 | 10 | 20 | 1 | 28 | 0 | 5 | 0 | 33 | 0 | 0 | 0 | 1 | 500 | 0 | 0 | 0 | 0 | 616 |
| February | 18 | 7 | 7 | 7 | 22 | 1 | 20 | 0 | 4 | 0 | 38 | 0 | 1 | 1 | 0 | 598 | 0 | 0 | 0 | 0 | 724 |
| 7. | 8 | 11 | 5 | 17 | 24 | 0 | 24 | 0 | 3 | 0 | 11 | 0 | 0 | 1 | 0 | 185 | 0 | 0 | 0 | 0 | 290 |
| 14. | 7 | 2 | 14 | 6 | 12 | 0 | 34 | 0 | 7 | 1 | 12 | 1 | 1 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 171 |
| 21. | 5 | 2 | 12 | 8 | 37 | 0 | 11 | 0 | 7 | 1 | 7 | 0 | 1 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 120 |
| 28. | 5 | 7 | 12 | 7 | 57 | 1 | 48 | 0 | 5 | 0 | 3 | 0 | 1 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 164 |
| 6. | 4 | 3 | 17 | 2 | 26 | 2 | 22 | 0 | 4 | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 90 |
| 13. | 4 | 3 | 12 | 2 | 21 | 0 | 19 | 3 | 3 | 0 | 6 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 93 |
| 20. | 4 | 8 | 17 | 8 | 29 | 1 | 11 | 0 | 8 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 96 |
| 27. | 3 | 10 | 21 | 15 | 34 | 0 | 11 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 90 |
| April | 4 | 9 | 19 | 19 | 24 | 4 | 8 | 0 | 3 | 1 | 7 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 144 |
| 3. | 4 | 9 | 53 | 19 | 34 | 4 | 8 | 0 | 3 | 1 | 5 | 0 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 112 |
| 10. | 4 | 9 | 35 | 11 | 29 | 0 | 7 | 0 | 3 | 1 | 5 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 148 |
| 17. | 4 | 12 | 48 | 24 | 26 | 1 | 12 | 0 | 7 | 0 | 5 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 132 |
| 24. | 4 | 18 | 48 | 16 | 47 | 3 | 10 | 1 | 6 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 153 |
| May | 1 | 15 | 61 | 14 | 32 | 1 | 8 | 0 | 3 | 2 | 2 | 0 | 2 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 160 |
| 8. | 3 | 13 | 60 | 22 | 12 | 1 | 21 | 0 | 6 | 0 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 148 |
| 15. | 2 | 8 | 69 | 22 | 18 | 0 | 11 | 0 | 5 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 115 |
| 22. | 4 | 5 | 44 | 18 | 14 | 1 | 17 | 0 | 5 | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 118 |
| 29. | 4 | 2 | 58 | 15 | 11 | 0 | 6 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 |
| June | 5 | 7 | 33 | 14 | 13 | 0 | 8 | 0 | 4 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |
| 5. | 5 | 3 | 24 | 17 | 13 | 1 | 8 | 0 | 6 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |
| 12. | 5 | 3 | 24 | 17 | 13 | 1 | 8 | 0 | 6 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |
| 19. | 7 | 7 | 33 | 14 | 13 | 0 | 6 | 0 | 4 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |
| 26. | 1 | 3 | 24 | 17 | 13 | 1 | 8 | 0 | 6 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |

TABLE D—(Continued)

| | Diphtheria | Scarlet Fever | Measles | Chicken Pox | Whooping Cough | German Measles | Mumps | Typhoid Fever | Pulmonary Tuberculosis | Other Forms Tuberculosis | Lobar Pneumonia | Cerebro-Spinal Meningitis | Ophthalmia Neonatorum | Suppurative Conjunctivitis | Septic Sore Throat | Influenza | Bacillary Dysentery | Trachoma | Malaria | Anterior Polomyelitis | Totals |
|--------------|------------|---------------|---------|-------------|----------------|----------------|-------|---------------|------------------------|--------------------------|-----------------|---------------------------|-----------------------|----------------------------|--------------------|-----------|---------------------|----------|---------|-----------------------|--------|
| Week ending: | | | | | | | | | | | | | | | | | | | | | |
| July | | | | | | | | | | | | | | | | | | | | | |
| 3..... | 1 | 2 | 24 | 6 | 6 | 0 | 2 | 1 | 6 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10..... | 3 | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17..... | 3 | 2 | 21 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24..... | 0 | 1 | 10 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31..... | 0 | 1 | 14 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| August | | | | | | | | | | | | | | | | | | | | | |
| 7..... | 5 | 4 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14..... | 4 | 2 | 4 | 0 | 12 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21..... | 1 | 2 | 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28..... | 2 | 1 | 5 | 1 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| September | | | | | | | | | | | | | | | | | | | | | |
| 4..... | 2 | 4 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11..... | 2 | 0 | 1 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18..... | 2 | 1 | 0 | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25..... | 4 | 0 | 5 | 1 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| October | | | | | | | | | | | | | | | | | | | | | |
| 2..... | 1 | 3 | 0 | 0 | 9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9..... | 3 | 4 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16..... | 7 | 1 | 1 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23..... | 4 | 3 | 0 | 0 | 9 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30..... | 2 | 2 | 2 | 10 | 12 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | | | | | | | | | | | | | | | | | | | | | |
| 6..... | 3 | 5 | 1 | 16 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13..... | 4 | 5 | 3 | 14 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20..... | 5 | 4 | 3 | 11 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27..... | 10 | 8 | 3 | 13 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| December | | | | | | | | | | | | | | | | | | | | | |
| 4..... | 3 | 11 | 2 | 37 | 6 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11..... | 4 | 5 | 10 | 32 | 5 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18..... | 3 | 3 | 7 | 28 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25..... | 2 | 3 | 14 | 6 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31..... | 6 | 1 | 3 | 6 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totals..... | 220 | 278 | 910 | 588 | 889 | 22 | 605 | 17 | 213 | 27 | 255 | 6 | 28 | 12 | 1 | 1763 | 1 | 2 | 2 | 30 | 5869 |

TABLE E.

| Ward | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | T'ls. |
|---------------|----|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|
| DIPHTHERIA | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 7 |
| | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 6 |
| | 3 | 3 | 6 | 2 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 17 |
| | 4 | 0 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 17 |
| | 5 | 4 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 1 | 1 | 0 | 0 | 11 |
| | 6 | 2 | 0 | 4 | 2 | 1 | 2 | 0 | 1 | 2 | 3 | 4 | 3 | 24 |
| | 7 | 4 | 3 | 3 | 1 | 2 | 1 | 2 | 1 | 0 | 1 | 1 | 3 | 22 |
| | 8 | 2 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 12 |
| | 9 | 5 | 3 | 1 | 2 | 1 | 2 | 0 | 1 | 0 | 1 | 5 | 3 | 24 |
| | 10 | 3 | 8 | 4 | 5 | 4 | 4 | 0 | 1 | 2 | 3 | 6 | 0 | 40 |
| | 11 | 7 | 11 | 2 | 0 | 1 | 4 | 2 | 4 | 0 | 4 | 4 | 1 | 40 |
| Total | | 33 | 35 | 19 | 15 | 13 | 18 | 8 | 12 | 11 | 16 | 23 | 17 | 220 |
| SCARLET FEVER | 1 | 0 | 0 | 0 | 1 | 6 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 10 |
| | 2 | 1 | 1 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 7 |
| | 3 | 1 | 4 | 6 | 0 | 5 | 3 | 1 | 0 | 1 | 1 | 0 | 0 | 22 |
| | 4 | 3 | 2 | 7 | 4 | 2 | 1 | 0 | 0 | 0 | 2 | 2 | 1 | 24 |
| | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 1 | 5 | 1 | 12 |
| | 6 | 9 | 2 | 3 | 12 | 6 | 6 | 0 | 1 | 1 | 2 | 4 | 0 | 46 |
| | 7 | 4 | 4 | 4 | 9 | 4 | 2 | 1 | 5 | 0 | 1 | 1 | 3 | 38 |
| | 8 | 0 | 2 | 2 | 4 | 4 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 16 |
| | 9 | 5 | 7 | 1 | 7 | 8 | 1 | 1 | 0 | 0 | 0 | 2 | 3 | 35 |
| | 10 | 2 | 1 | 3 | 6 | 8 | 0 | 0 | 0 | 1 | 1 | 4 | 1 | 27 |
| | 11 | 3 | 3 | 1 | 4 | 2 | 0 | 5 | 5 | 0 | 1 | 9 | 8 | 41 |
| Total | | 29 | 26 | 28 | 49 | 46 | 17 | 11 | 13 | 3 | 11 | 28 | 17 | 278 |
| MEASLES | 1 | 1 | 0 | 1 | 36 | 94 | 37 | 8 | 0 | 0 | 0 | 3 | 0 | 180 |
| | 2 | 1 | 1 | 4 | 29 | 30 | 29 | 3 | 0 | 0 | 0 | 0 | 2 | 99 |
| | 3 | 4 | 9 | 20 | 9 | 17 | 4 | 3 | 1 | 0 | 1 | 2 | 0 | 70 |
| | 4 | 2 | 1 | 11 | 7 | 12 | 19 | 10 | 2 | 0 | 1 | 5 | 1 | 71 |
| | 5 | 2 | 2 | 6 | 18 | 19 | 7 | 8 | 1 | 4 | 0 | 0 | 1 | 68 |
| | 6 | 1 | 0 | 7 | 12 | 33 | 22 | 6 | 3 | 0 | 0 | 0 | 2 | 86 |
| | 7 | 2 | 6 | 3 | 12 | 6 | 15 | 13 | 1 | 0 | 0 | 0 | 22 | 80 |
| | 8 | 4 | 3 | 4 | 15 | 17 | 4 | 1 | 0 | 1 | 0 | 0 | 0 | 49 |
| | 9 | 5 | 1 | 12 | 13 | 5 | 5 | 5 | 2 | 1 | 0 | 0 | 1 | 50 |
| | 10 | 14 | 0 | 2 | 3 | 3 | 4 | 1 | 1 | 0 | 1 | 0 | 2 | 31 |
| | 11 | 63 | 11 | 3 | 0 | 10 | 24 | 8 | 1 | 0 | 1 | 1 | 4 | 126 |
| Total | | 99 | 34 | 73 | 154 | 246 | 170 | 66 | 12 | 6 | 4 | 11 | 35 | 910 |
| CHICKEN POX | 1 | 14 | 2 | 3 | 9 | 7 | 1 | 0 | 0 | 0 | 4 | 7 | 4 | 51 |
| | 2 | 3 | 4 | 2 | 1 | 0 | 2 | 0 | 0 | 1 | 1 | 2 | 5 | 21 |
| | 3 | 7 | 4 | 4 | 8 | 1 | 24 | 2 | 1 | 1 | 1 | 0 | 7 | 60 |
| | 4 | 17 | 2 | 5 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 4 | 8 | 41 |
| | 5 | 6 | 0 | 4 | 8 | 5 | 3 | 0 | 0 | 2 | 4 | 20 | 12 | 64 |
| | 6 | 19 | 3 | 2 | 7 | 35 | 22 | 1 | 0 | 0 | 0 | 3 | 5 | 97 |
| | 7 | 2 | 0 | 1 | 16 | 23 | 8 | 0 | 0 | 0 | 3 | 11 | 11 | 75 |
| | 8 | 12 | 2 | 1 | 1 | 4 | 1 | 0 | 0 | 0 | 2 | 22 | 29 | 74 |
| | 9 | 14 | 8 | 2 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 8 | 39 |
| | 10 | 15 | 6 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 1 | 1 | 0 | 29 |
| | 11 | 9 | 9 | 0 | 7 | 7 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 37 |
| Total | | 118 | 40 | 24 | 63 | 83 | 69 | 3 | 2 | 4 | 19 | 72 | 91 | 588 |

BOARD OF HEALTH
TABLE E—Continued

517

| Ward | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | T'ls. | |
|----------------|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|-----|
| WHOOPING COUGH | 1 | 6 | 2 | 5 | 11 | 11 | 5 | 3 | 4 | 2 | 10 | 2 | 0 | 61 |
| | 2 | 5 | 7 | 1 | 10 | 10 | 0 | 3 | 2 | 4 | 0 | 1 | 0 | 43 |
| | 3 | 16 | 11 | 4 | 5 | 7 | 2 | 2 | 3 | 6 | 8 | 0 | 3 | 67 |
| | 4 | 27 | 9 | 10 | 5 | 14 | 1 | 4 | 5 | 0 | 6 | 3 | 1 | 85 |
| | 5 | 1 | 4 | 11 | 8 | 7 | 6 | 0 | 1 | 0 | 5 | 1 | 3 | 47 |
| | 6 | 46 | 11 | 14 | 15 | 10 | 4 | 1 | 1 | 3 | 0 | 0 | 9 | 114 |
| | 7 | 27 | 11 | 32 | 16 | 14 | 4 | 3 | 1 | 2 | 0 | 3 | 0 | 113 |
| | 8 | 1 | 12 | 9 | 28 | 16 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 77 |
| | 9 | 18 | 6 | 61 | 12 | 25 | 12 | 3 | 9 | 1 | 0 | 1 | 3 | 151 |
| | 10 | 5 | 0 | 2 | 4 | 0 | 8 | 0 | 7 | 9 | 4 | 4 | 0 | 43 |
| | 11 | 33 | 5 | 19 | 0 | 3 | 6 | 6 | 2 | 2 | 0 | 3 | 9 | 88 |
| Total | 185 | 78 | 168 | 114 | 117 | 59 | 25 | 35 | 29 | 33 | 18 | 28 | 889 | |
| GERMAN MEASLES | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| | 8 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | 9 | 1 | 2 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| | 10 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 11 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 2 | 2 | 3 | 5 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 22 | |
| MUMPS | 1 | 0 | 0 | 5 | 3 | 7 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 24 |
| | 2 | 4 | 7 | 3 | 4 | 3 | 11 | 0 | 0 | 0 | 1 | 0 | 2 | 35 |
| | 3 | 12 | 5 | 4 | 4 | 2 | 2 | 0 | 0 | 1 | 0 | 2 | 8 | 40 |
| | 4 | 10 | 3 | 20 | 1 | 7 | 4 | 3 | 1 | 3 | 5 | 2 | 12 | 71 |
| | 5 | 8 | 0 | 3 | 2 | 4 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 20 |
| | 6 | 24 | 31 | 14 | 8 | 7 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 87 |
| | 7 | 59 | 29 | 25 | 2 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 119 |
| | 8 | 30 | 7 | 8 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 52 |
| | 9 | 45 | 19 | 12 | 6 | 10 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 96 |
| | 10 | 0 | 2 | 9 | 1 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 17 |
| | 11 | 2 | 3 | 5 | 6 | 7 | 11 | 6 | 2 | 0 | 0 | 1 | 1 | 44 |
| Total | 194 | 106 | 108 | 39 | 52 | 45 | 12 | 4 | 6 | 8 | 6 | 25 | 605 | |
| TYPHOID FEVER | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 5 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 3 | 0 | 3 | 0 | 1 | 1 | 3 | 0 | 3 | 2 | 1 | 0 | 17 | |

TABIE E—Continued

| Ward | | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | T'ls. |
|------------------------------|----|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|
| PUL. TUBERCULOSIS | 1 | 1 | 0 | 2 | 0 | 3 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 10 |
| | 2 | 1 | 3 | 1 | 0 | 0 | 4 | 1 | 0 | 0 | 1 | 2 | 1 | 14 |
| | 3 | 1 | 0 | 5 | 0 | 4 | 5 | 1 | 3 | 0 | 1 | 0 | 2 | 22 |
| | 4 | 5 | 0 | 3 | 3 | 1 | 3 | 1 | 2 | 0 | 4 | 0 | 3 | 25 |
| | 5 | 4 | 1 | 0 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 16 |
| | 6 | 0 | 4 | 4 | 3 | 1 | 3 | 1 | 2 | 3 | 4 | 1 | 4 | 30 |
| | 7 | 1 | 3 | 6 | 3 | 4 | 2 | 0 | 3 | 1 | 2 | 3 | 2 | 30 |
| | 8 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | 0 | 0 | 1 | 11 |
| | 9 | 0 | 1 | 3 | 0 | 2 | 0 | 1 | 3 | 0 | 3 | 0 | 2 | 15 |
| | 10 | 1 | 3 | 1 | 5 | 1 | 1 | 1 | 0 | 0 | 3 | 1 | 0 | 17 |
| | 11 | 2 | 3 | 0 | 1 | 3 | 4 | 1 | 2 | 0 | 3 | 2 | 2 | 23 |
| Total | | 18 | 19 | 25 | 16 | 22 | 23 | 12 | 17 | 9 | 24 | 10 | 18 | 213 |
| TUBERCULOSIS, OTHER FORMS | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 3 |
| | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 4 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 5 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 |
| | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 3 | 0 | 1 | 0 | 7 |
| | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 3 |
| | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Total | | 2 | 1 | 2 | 2 | 2 | 1 | 3 | 1 | 6 | 3 | 3 | 1 | 27 |
| LOBAR PNEUMONIA | 1 | 3 | 8 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 18 |
| | 2 | 2 | 5 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 11 |
| | 3 | 6 | 11 | 2 | 1 | 0 | 2 | 0 | 0 | 1 | 1 | 3 | 2 | 29 |
| | 4 | 2 | 7 | 3 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 6 | 4 | 28 |
| | 5 | 7 | 6 | 3 | 5 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 26 |
| | 6 | 4 | 8 | 2 | 2 | 4 | 1 | 1 | 0 | 1 | 2 | 0 | 1 | 26 |
| | 7 | 5 | 8 | 4 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 27 |
| | 8 | 6 | 6 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 20 |
| | 9 | 5 | 13 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 27 |
| | 10 | 3 | 8 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 19 |
| | 11 | 3 | 14 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 24 |
| Total | | 46 | 94 | 21 | 21 | 13 | 12 | 1 | 1 | 4 | 8 | 18 | 16 | 255 |
| C. S. MENINGITIS | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |

TABLE E—Continued

| Ward | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | T'ls. |
|-------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|
| OPHTHALMIA NEO. | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 3 |
| | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 4 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 7 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 6 |
| | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 9 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 11 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 5 |
| Total | | 2 | 2 | 2 | 1 | 3 | 6 | 3 | 1 | 1 | 2 | 3 | 28 |
| SUPPURATIVE CONJ. | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | | 1 | 4 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 1 | 0 | 12 |
| SEPTIC S. THROAT | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| INFLUENZA | 1 | 9 | 47 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 59 |
| | 2 | 13 | 51 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 |
| | 3 | 20 | 149 | 1 | 2 | 5 | 0 | 0 | 0 | 1 | 0 | 3 | 182 |
| | 4 | 25 | 138 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 172 |
| | 5 | 25 | 110 | 7 | 4 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 152 |
| | 6 | 26 | 160 | 6 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 196 |
| | 7 | 29 | 144 | 5 | 2 | 2 | 0 | 0 | 0 | 7 | 1 | 0 | 190 |
| | 8 | 64 | 176 | 10 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 253 |
| | 9 | 35 | 192 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233 |
| | 10 | 18 | 98 | 11 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 131 |
| | 11 | 27 | 92 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 130 |
| Total | | 291 | 1357 | 64 | 13 | 13 | 0 | 0 | 3 | 1 | 9 | 6 | 1763 |

TABLE E—Continued

| Ward | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | T'ls. |
|--------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|-------|
| BACILLARY DYS. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| TRACHOMA | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| MALARIA | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Total | | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| ANT. POLIOMYELITIS | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 4 |
| | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 6 |
| | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 5 |
| | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 6 |
| Total | | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 15 | 2 | 0 | 30 |

TABLE F

| MORBIDITY DISTRIBUTION | | Under 1 | 1 to 2 | 2 to 3 | 3 to 4 | 4 to 5 | 5 to 10 | 10 to 15 | 15 to 20 | 20 to 30 | 30 to 40 | 40 to 50 | 50 to 60 | 60 to 70 | 70 to 80 | 80 to 90 | Over 90 | Total |
|--------------------------|---|---------|--------|--------|--------|--------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|-------|
| Diphtheria | M | 1 | 6 | 9 | 14 | 10 | 39 | 18 | 4 | 6 | 1 | ... | ... | ... | ... | ... | ... | 108 |
| | F | .. | 2 | 8 | 12 | 13 | 42 | 15 | 4 | 7 | 5 | 4 | ... | ... | ... | ... | ... | 112 |
| | P | 1 | 8 | 17 | 26 | 23 | 81 | 33 | 8 | 13 | 6 | 4 | ... | ... | ... | ... | ... | 220 |
| Scarlet Fever | M | .. | 3 | 3 | 11 | 9 | 30 | 38 | 11 | 11 | 1 | ... | ... | ... | ... | ... | ... | 117 |
| | F | 2 | 2 | 5 | 8 | 11 | 60 | 34 | 14 | 18 | 5 | 1 | 1 | ... | ... | ... | ... | 161 |
| | P | 2 | 5 | 8 | 19 | 20 | 90 | 72 | 25 | 29 | 6 | 1 | 1 | ... | ... | ... | ... | 278 |
| Measles | M | 20 | 44 | 58 | 26 | 63 | 201 | 20 | 5 | 8 | 3 | ... | ... | ... | ... | ... | ... | 448 |
| | F | 27 | 32 | 60 | 51 | 46 | 209 | 15 | 5 | 13 | 3 | ... | ... | 1 | ... | ... | ... | 462 |
| | P | 47 | 76 | 118 | 77 | 109 | 410 | 35 | 10 | 21 | 6 | ... | ... | 1 | ... | ... | ... | 910 |
| Chicken Pox | M | 9 | 23 | 11 | 26 | 25 | 159 | 23 | 5 | 6 | ... | ... | ... | ... | ... | ... | ... | 287 |
| | F | 19 | 27 | 24 | 21 | 29 | 149 | 25 | 4 | 1 | 1 | 1 | ... | ... | ... | ... | ... | 301 |
| | P | 28 | 50 | 35 | 47 | 54 | 308 | 48 | 9 | 7 | 1 | 1 | ... | ... | ... | ... | ... | 588 |
| Whooping Cough | M | 45 | 43 | 40 | 38 | 51 | 195 | 16 | 2 | ... | 1 | ... | ... | ... | ... | ... | ... | 431 |
| | F | 51 | 33 | 56 | 50 | 42 | 193 | 23 | 1 | 3 | 5 | ... | ... | 1 | ... | ... | ... | 458 |
| | P | 96 | 76 | 96 | 88 | 93 | 388 | 39 | 3 | 3 | 6 | ... | ... | 1 | ... | ... | ... | 889 |
| German Measles | M | .. | .. | ... | 2 | 1 | 7 | 1 | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | 13 |
| | F | .. | .. | 1 | 1 | 1 | 1 | 2 | 1 | 2 | ... | ... | ... | ... | ... | ... | ... | 9 |
| | P | .. | .. | 1 | 3 | 2 | 8 | 3 | 2 | 3 | ... | ... | ... | ... | ... | ... | ... | 22 |
| Mumps | M | 6 | 1 | 6 | 9 | 18 | 204 | 49 | 12 | 17 | 10 | ... | ... | ... | ... | ... | ... | 332 |
| | F | 2 | 4 | 5 | 6 | 13 | 162 | 51 | 9 | 11 | 7 | 3 | ... | ... | ... | ... | ... | 273 |
| | P | 8 | 5 | 11 | 15 | 31 | 366 | 100 | 21 | 28 | 17 | 3 | ... | ... | ... | ... | ... | 605 |
| Typhoid Fever | M | .. | .. | ... | .. | ... | 2 | 3 | 1 | 1 | 4 | ... | ... | ... | ... | ... | ... | 11 |
| | F | .. | .. | ... | .. | ... | 1 | 1 | ... | 1 | 2 | 1 | ... | ... | ... | ... | ... | 6 |
| | P | .. | .. | ... | .. | ... | 3 | 4 | 1 | 2 | 6 | 1 | ... | ... | ... | ... | ... | 17 |
| Pulmonary Tuberculosis | M | 2 | .. | ... | 1 | ... | 2 | 3 | 8 | 37 | 33 | 19 | 6 | 5 | ... | ... | ... | 116 |
| | F | 3 | 1 | 1 | .. | 1 | 1 | 6 | 8 | 40 | 17 | 11 | 7 | 1 | ... | ... | ... | 97 |
| | P | 5 | 1 | 1 | 1 | 1 | 3 | 9 | 16 | 77 | 50 | 30 | 13 | 6 | ... | ... | ... | 213 |
| Other Forms Tuberculosis | M | 2 | 2 | 1 | .. | ... | 2 | 1 | 1 | 1 | 3 | 2 | ... | ... | ... | ... | ... | 15 |
| | F | 2 | .. | ... | 2 | 3 | 2 | ... | 2 | ... | ... | 1 | ... | ... | ... | ... | ... | 12 |
| | P | 4 | 2 | 1 | 2 | 3 | 4 | 1 | 3 | 1 | 3 | ... | ... | ... | ... | ... | ... | 27 |

TABLE F — (Continued)

| MORBIDITY DISTRIBUTION | | Under 1 | 1 to 2 | 2 to 3 | 3 to 4 | 4 to 5 | 5 to 10 | 10 to 15 | 15 to 20 | 20 to 30 | 30 to 40 | 40 to 50 | 50 to 60 | 60 to 70 | 70 to 80 | 80 to 90 | Over 90 | Total |
|----------------------------|---|---------|--------|--------|--------|--------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|-------|
| Lobar Pneumonia | M | 6 | 7 | 3 | 3 | 5 | 16 | 6 | 12 | 27 | 22 | 11 | 10 | 9 | 6 | 1 | .. | 144 |
| | F | 1 | 2 | 4 | 4 | 3 | 9 | 7 | 5 | 20 | 18 | 8 | 12 | 7 | 8 | 2 | .. | 111 |
| | P | 7 | 9 | 7 | 7 | 8 | 25 | 13 | 17 | 47 | 40 | 19 | 22 | 16 | 14 | 3 | 1 | 255 |
| Cerebral Spinal Meningitis | M | 1 | .. | .. | .. | .. | 1 | .. | .. | 1 | .. | 1 | .. | .. | .. | .. | .. | 4 |
| | F | .. | .. | .. | .. | .. | 1 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 2 |
| | P | 1 | .. | .. | .. | .. | 2 | .. | 1 | 1 | .. | 1 | .. | .. | .. | .. | .. | 6 |
| Oph. Neonatorum | M | 20 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 20 |
| | F | 8 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 8 |
| | P | 28 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 28 |
| Suppurative Conjunctivitis | M | 3 | .. | .. | .. | .. | 1 | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 6 |
| | F | 5 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 6 |
| | P | 8 | .. | 1 | .. | .. | 1 | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 12 |
| Septic Sore Throat | M | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | F | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 |
| | P | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | 1 |
| Influenza | M | 15 | 21 | 23 | 19 | 15 | 80 | 40 | 82 | 251 | 198 | 68 | 35 | 17 | 9 | 2 | 1 | 876 |
| | F | 10 | 13 | 16 | 16 | 15 | 54 | 44 | 47 | 296 | 198 | 98 | 44 | 29 | 5 | 2 | .. | 887 |
| | P | 25 | 34 | 39 | 35 | 30 | 134 | 84 | 129 | 547 | 396 | 166 | 79 | 46 | 14 | 4 | 1 | 1763 |
| Bacillary Dysentery | M | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 |
| | F | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | P | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1 |
| Trachoma | M | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | 1 |
| | F | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 |
| | P | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | .. | .. | .. | .. | .. | .. | .. | 2 |
| Malaria | M | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 |
| | F | .. | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 1 |
| | P | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | .. | .. | .. | .. | 2 |
| Anterior Poliomyelitis | M | 3 | 6 | 2 | 3 | .. | 2 | .. | 2 | .. | 1 | .. | .. | .. | .. | .. | .. | 19 |
| | F | 1 | 1 | 2 | 1 | 1 | 3 | 2 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 11 |
| | P | 4 | 7 | 4 | 4 | 1 | 5 | 2 | 2 | .. | 1 | .. | .. | .. | .. | .. | .. | 30 |

DISEASES DANGEROUS TO THE PUBLIC HEALTH

The year 1920 shows an increase in the death rate of these diseases. It is very, very hard for me to comment upon this, as I have only served as Medical Inspector for the last two months of the year, November and December. Whatever comments made are from my observation of the statistics, rather than from actual experience of being on the ground.

The increased number of deaths from Broncho-Pneumonia and Lobar-Pneumonia has its influence in the death rate.

TYPHOID FEVER

While there were three more cases reported this year, with one more death than the previous year, Cambridge still has a very low Typhoid rate. With more education of the people to become inoculated against Typhoid, this disease can be entirely erad-

DIPHTHERIA

There were fewer cases reported than the previous year, but there was an increase in the number of deaths. Eight children under 10 years of age died in Cambridge, and eleven children under 10 years of age, residents of Cambridge, died outside of the city.

SCARLET FEVER

Scarlet Fever shows a marked increase in the number of cases reported, and an increase of one in deaths. Of the total of eight deaths, seven died in Cambridge, and only one died outside of the city.

TUBERCULOSIS

It is gratifying to see each year a dropping off in the number of deaths from Tuberculosis. This year is no exception. Deaths from Pulmonary Tuberculosis dropped from 176 the previous year to 130 this year. As shown in Table C—the year 1920 shows the unusually low Cambridge resident death rate of .918 per 1,000 living; Table E shows the morbidity reported by month and by ward; Table F shows the morbidity by age and sex, which is worthy of note.

SIMON B. KELLEHER, M. D.,
Medical Inspector.

BACTERIOLOGICAL LABORATORY

The following report of the work done in your Bacteriological Laboratory for the year 1920, is respectfully submitted:

DIPHTHERIA

| | POSITIVE | | NEGATIVE | | No Growth | Totals |
|-----------------|-----------|---------|-----------|---------|-----------|--------|
| | Diagnosis | Release | Diagnosis | Release | | |
| January | 13 | 5 | 139 | 43 | 5 | 205 |
| February | 8 | 4 | 89 | 43 | 2 | 146 |
| March | 7 | | 61 | 23 | 3 | 94 |
| April | 10 | 3 | 57 | 23 | 1 | 94 |
| May | 10 | 2 | 103 | 13 | 1 | 129 |
| June | 11 | 22 | 33 | 29 | 6 | 101 |
| July | 4 | | 35 | 10 | 1 | 50 |
| August | 3 | 4 | 30 | 24 | 1 | 62 |
| September | 7 | 26 | 10 | 8 | | 51 |
| October | 7 | | 53 | 25 | 3 | 88 |
| November | 13 | 1 | 121 | 17 | 1 | 153 |
| December | 5 | 2 | 78 | 21 | 2 | 108 |
| Totals | 98 | 69 | 809 | 279 | 26 | 1281 |

| | TUBERCULOSIS | | | TYPHOID | | | Other Examinations | Totals |
|-----------------|--------------|----------|-------|----------|----------|-------|-----------------------|--------|
| | Positive | Negative | Total | Positive | Negative | Total | | |
| January | 28 | 85 | 113 | | 9 | 9 | 1 | 123 |
| February | 15 | 51 | 66 | | 5 | 5 | 1 | 72 |
| March | 23 | 58 | 81 | 2 | 4 | 6 | 3 | 90 |
| April | 15 | 47 | 62 | | 4 | 4 | 3 | 69 |
| May | 14 | 66 | 80 | | 5 | 5 | 1 | 86 |
| June | 19 | 45 | 64 | 2 | 6 | 8 | | 72 |
| July | 7 | 34 | 41 | 1 | 11 | 12 | 4 | 57 |
| August | 17 | 37 | 54 | | 12 | 12 | 1 | 67 |
| September | 14 | 51 | 65 | 2 | 10 | 12 | | 77 |
| October | 21 | 43 | 64 | | 16 | 16 | 1 | 81 |
| November | 11 | 38 | 49 | 1 | 10 | 11 | 1 | 61 |
| December | 15 | 46 | 61 | | 4 | 4 | 3 | 68 |
| Totals | 199 | 601 | 800 | 8 | 96 | 104 | 19 | 923 |

The total number of examinations for the year was 2204.

INSPECTION OF MILK AND VINEGAR

I respectfully submit the following report from the Division of Inspection of Milk and Vinegar for the year 1920:

The number of samples collected and examined was as follows:

| | |
|--|------|
| Number of samples from wagons | 1916 |
| Number of samples from stores | 749 |
| Number of samples brought in by milkmen and by citizens..... | 60 |
| Number of samples examined bacteriologically | 855 |
| <hr/> | |
| Total milk samples | 3580 |
| Number of vinegar samples | 97 |
| Number of butter samples | 180 |
| Number of cream samples | 62 |
| Number of ice cream samples | 24 |
| <hr/> | |
| Total samples other than milk | 363 |
| <hr/> | |
| Total of all samples | 3943 |

The average quality of milk for the last five years was:

| | 1920 | 1919 | 1918 | 1917 | 1916 |
|-------------------|-------|-------|-------|-------|-------|
| Milk Solids | 12.31 | 12.28 | 12.21 | 12.33 | 12.51 |
| Milk Fat | 3.62 | 3.60 | 3.75 | 3.63 | 3.62 |

These results show that the quality of the milk is substantially above the minimum requirements of 12.00 per cent milk solids, and 3.35 per cent milk fat. The change from year to year has been negligible. The average fat content of milk from stores was 3.59 per cent, and from wagons was 3.64 per cent.

In 142 cases, there were sent out notices of the failure of the milk to conform to the statute requirements.

Licenses for the sale of milk were issued to 58 wagon operators, and to 543 storekeepers. The number of storekeepers, which decreased materially during the war, has now increased to practically a pre-war basis.

During the year 1920, the situation, with regard to the supply of milk bottles, was for a considerable period quite serious. This was at the time of the so-called "outlaw" strike of railroad switchmen, which, in conjunction with other factors, created such a tie-up of transportation that an embargo was placed upon freight, by the railroads. Under the embargo, milk bottles were not accepted for forwarding, and such as were in transit were held up. When one considers that the life of a milk bottle is short, and that the entire supply of bottle equipment must, because of loss by breakage and inability to collect empties, be replaced every few weeks, the menace of the above mentioned em-

bargo to the system of distribution of milk by bottle is apparent. Quick action by all Health Officials in bringing pressure to bear on the proper railroad Executives resulted in such a modification of the embargo, when the seriousness of the matter was recognized, as to avert the threatened disaster.

The results of the examination of milk for bacteria were as follows:

Bacteria per cubic centimeter:

| | |
|---|--------------------|
| 100,000 and less | 456=59.0 per cent. |
| Over 100,000 and less than 500,000..... | 184=23.9 per cent. |
| Over 500,000 | 132=17.1 per cent. |

The increase in the percentage of samples having 100,000 and less bacteria per cubic centimeter is noteworthy and represents distinct progress.

The rules for the production and distribution of milk of low bacterial content are simple and with continued and increased co-operation by all engaged in the handling of milk, we can hope for still further improvement. Unclean utensils and failure to ice, produce milk of high bacterial content.

ICE CREAM

Twenty-four samples were examined and no violations of the law, of a content of not less than 7.0 per cent of milk fat, were found.

VINEGAR

All the samples examined conformed to the statute requirement of not less than 4.0 grams of absolute acetic acid to 100 cubic centimeters of vinegar. Vinegar, almost without exception, as made, has an acetic acid content much greater than the above standard. It is practically all diluted with water to a resultant content of 4.0 grams of absolute acetic acid to the 100 cubic centimeters of vinegar, before distribution to the retailer.

BUTTER AND OLEOMARGARINE

All the butter and oleomargarine samples examined were passed as not adulterated. The number of dealers in oleomargarine continues high and 85 licenses for the sale of it were issued.

It is felt that attention should be directed to the fact that a pernicious influence is always at work, in the state legislature, trying to so modify health laws as to permit the adulteration of

food products, and thereby obtain increased profits for the manufacturers and the retailers, at the expense of the consumer. Under Chapter 208, Section 3, Revised Laws of 1917, the State Department of Health was given power to make such regulations of food products, as might be not inconsistent with the Federal regulations. Acting under this power, the State Department of Health did adopt important regulations, identical with the Federal regulations providing standards for the fat content of butter and of cheese, and for other food products, in which matters the laws were deficient. In the general laws, effective January 1, 1921, this joker was inserted: "the following ten sections shall not apply to milk, butter, vinegar, sausages—". One of the "following ten sections" is that section from which the State Department of Health derives its power to make the above-mentioned important regulations of the fat content of butter. The result is, effective January 1, 1921, to wipe out the means of preventing the adulteration of butter by adding water. Through an oversight on the part of the framers of the joker, although there is no doubt as to their intent, the word cheese was left out, so that the regulation of the fat content of cheese is still effective. The Federal regulation for butter is not less than 82.5 per cent of butter fat. Under the condition of no Massachusetts standard for the fat content of butter, this state will become a dump for butter adulterated with water. With present prices for butter, the gain to the manufacturer and the loss to the consumer, under this lack of protection by the law, is evident.

WILLIAM A. NOONAN, M. D.,
Inspector of Milk and Vinegar.

REPORT OF CAMBRIDGE TUBERCULOSIS HOSPITAL FOR YEAR 1920

I respectfully submit the following report of the work done at the Cambridge Tuberculosis Hospital during the year 1920.

On January 1, 1920, there remained in the hospital from the previous year 58 cases. During the present year we admitted 164 cases, and re-admitted 19 cases, making a total of 241 cases treated during the present year.

RESIDENTS

Of the 58 patients remaining from the previous year, 29 were patients from 1919; 12 from 1918; 2 of 1917; 4 of 1916; 3 of 1915; 3 of 1914; 2 of 1913; 2 of 1911; and 1 of 1910.

1910. A case of advanced phthisis who is still resident.

1911. Two; both advanced; one gradually failed and died; the second improved and was discharged to work around the hospital.

1913. Two; both advanced; one improved and was discharged to Westfield; the second is still a resident.

1914. Three; all cases of chronic phthisis, who gradually failed and died.

1915. Three; all cases of chronic phthisis; one gradually failed and died; one left much improved, and the third is still resident.

1916. Four; all chronic phthisis; one gradually failed and died; one left improved, and two are still resident.

1917. Two; both chronic phthisis, and are still resident.

1918. Twelve; all chronic phthisis; three gradually failed and died; two left unimproved; one discharged to the Holy Ghost Hospital, and six are still resident.

1919. Twenty-nine; all chronic phthisis; twelve gradually failed and died; two left unimproved; nine left improved; one was discharged to work in the hospital; one was discharged to the Psychopathic; one was discharged to the Channing Home; one to Leominster, and three are still resident.

RE ADMISSIONS

Nineteen cases were re-admitted this year, as against thirty-four cases last year. One was a patient of 1912; three of 1916; two of 1917; three of 1918; five of 1919, and five of 1920.

Incipient. Three; these were patients who had been at the hospital before, improved and gone to work; they had broken down slightly in health, and returned.

Moderately advanced. Four.

Advanced. Twelve. Total, nineteen. Six cases died; two left unimproved; two left improved; one was transferred to Tewksbury, and eight are still resident.

NEW CASES

During the year we admitted 164 new cases as against 145 cases last year.

STAGES. Forty patients were admitted as incipient cases, six as moderately advanced, and one hundred eleven as advanced cases. There is one baby here, and five patients did not stay long enough to have their history taken. One case of acute miliary tuberculosis.

SEX. One hundred eighteen males and forty-one females were admitted as against eighty-four males and sixty-one females in the year 1919. Five cases were without any history.

| Age..... | 5-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 |
|----------|------|-------|-------|-------|-------|-------|-------|
| | 1 | 13 | 65 | 44 | 23 | 7 | 2 |

Eight months, 1; 5 without any history.

The highest percentage being between twenty and thirty.

SOCIAL STATUS. Seventy-one were married; eighty-two were single, and six were widowed. Five were without histories.

NATIVITY. Eighty-nine were foreign; seventy-seven were born in the United States; forty-eight in Massachusetts, and twenty-seven in Cambridge.

NATIONALITY. The majority of the patients were Americans.

| | | |
|-------------|------------|----------------|
| 82 American | 7 Polish | 1 Welsh |
| 21 Canadian | 3 Greek | 1 German |
| 14 Italian | 2 Swedish | 1 Portuguese |
| 14 Irish | 1 Scotch | 1 Russian Pole |
| 10 Russian | 1 Armenian | |

Five cases were without any history.

OCCUPATION.

| | | | | | |
|----------------------|----|----------------------|----|--------------------------|---|
| Housewives | 28 | Tailor | 2 | General work | 1 |
| Laborers | 17 | Hospital workers.... | 2 | Laymen | 1 |
| Rubberworkers | 14 | Firemen | 2 | Laundry | 1 |
| Students | 11 | Waitresses | 2 | Ice worker | 1 |
| Machinists | 7 | Piano workers | 2 | Butcher | 1 |
| Teamsters | 7 | Porters | 2 | Horseshoer | 1 |
| Carpenters | 6 | Candymakers | 2 | Brush factory | 1 |
| Railroadmen | 5 | Clown | 1 | Janitor | 1 |
| Longshoremen | 3 | Farmers | 2 | Coremaker | 1 |
| Insurance | 3 | Typesetter | 1 | Newspaper | 1 |
| Shippers | 3 | Cooper | 1 | Storekeeper | 1 |
| Slaughterhouse | 2 | Draftsmen | 1 | Night watchman ... | 1 |
| Gasfitters | 2 | Steam engineer | 1 | Wool worker | 1 |
| Bookkeepers | 2 | Army | 1 | Wood worker | 1 |
| Bakers | 2 | Actor | 1 | 11 baby. | |
| Cook | 2 | Steamfitter | 15 | 15 were without history. | |
| | | Manager | 1 | | |

SOURCE. Twenty-five gave histories of one or more cases in immediate family. Five gave history of contact in some way or other. In the remaining one hundred thirty-four cases no source of contagion could be established.

AVERAGE HIGHEST AND LOWEST NUMBER OF PATIENTS
EACH MONTH

| 1920 | Aver. | High | Low | 1920 | Aver. | High | Low |
|----------------|-------|------|-----|-----------------|-------|------|-----|
| January | 73 | 90 | 58 | July | 43 | 46 | 41 |
| February | 83 | 86 | 77 | August | 48 | 51 | 42 |
| March | 80 | 88 | 87 | September | 48 | 51 | 47 |
| April | 71 | 77 | 63 | October | 50 | 51 | 48 |
| May | 57 | 63 | 53 | November | 50 | 52 | 48 |
| June | 52 | 55 | 47 | December | 50 | 56 | 48 |

CLINICAL FORMS

| | Cases |
|--------------------------------------|-------|
| Chronic Pulmonary Tuberculosis | 117 |
| Acute Pneumonic Phthisis | 40 |
| Miliary Tuberculosis | 1 |
| Tubercular Spine | 2 |
| Tubercular Enteritis | 8 |
| Tubercular Meningitis | 3 |

COMPLICATIONS

Hemorrhages. Sixty cases had one or more hemorrhages. One death occurred from hemorrhage.

Diarrhœa. Eight cases had tubercular enteritis.

Meningitis. Three cases of tubercular meningitis.

Laryngitis. Twenty cases had tubercular laryngitis.

Other forms. Severe stomatitis of tongue, 1; acute pneumothorax, 1; Oedema of entire body, 1; retention and incontinence of feces and urine, 1; rheumatic fever, 1; wound in perineum, 1; tubercular elbow and knee, 1; fecal fistula as a result of appendix operation, 1; tubercular kidney and perinephritic abscess, 1.

SPUTA

Sputa. Eighty-six were positive; sixty negative; twelve did not stay long enough to have their sputa taken. There were five cases without any history and one baby.

RESULTS

Mortality. Fifty-four cases were discharged dead.

Improved. Thirty-eight cases were discharged improved.

Unimproved. Eight were discharged unimproved.

Transferred. Three cases were sent to Parker Hill; two were sent to Arlington; two were sent to the Psychopathic; one was sent to Tewksbury; and one to a hospital in Worcester.

Resident. Fifty-five cases remained in the hospital December 31, 1920, as against fifty-eight cases December 31, 1919.

FELIX MCGIRR, M. D.,

Physician.

DISPENSARY FOR TUBERCULOSIS

I respectfully submit the annual report of the Dispensary for Tuberculosis for the year 1920.

The total number of patients reporting for examination was 288. Of this total the new cases numbered 153. Males 86, females 67. The youngest patient examined was 5 months old, the oldest 71 years.

The following tabulation shows the ages in decades:

| | |
|----------------------------------|-----|
| Under 10 years of age | 46 |
| Between 10 and 20 years | 50 |
| " 20 " 30 " | 20 |
| " 30 " 40 " | 22 |
| " 40 " 50 " | 7 |
| " 50 " 60 " | 6 |
| " 70 " 75 " | 2 |
| <hr/> | |
| Total | 153 |

The following shows the diagnosis of the new cases:

| | |
|------------------------|-----|
| Positive cases | 21 |
| Arrested cases | 3 |
| Suspicious cases | 17 |
| Negative cases | 101 |
| Deferred cases | 9 |

All the above cases referred to the pulmonary type of Tuberculosis. There was one case of Tuberculosis of the tongue, and one Tubercular hip.

The ages of the positive cases were as follows:

11, 17, 18, 24, 27, 30, 31, 31, 32, 34, 34, 35, 37, 38, 39, 40, 46, 46, 49, 50, 53

The above summary is the 5th annual report of the Dispensary for Tuberculosis. It shows an increase of 54 in the number of physical examinations over any previous report. There was also a gain of 3 patients (new) over any previous year. The Clinic made very satisfactory progress during the year 1920 as will be seen from the above table. The readjustment of affairs in general since the war has been felt in our work to some extent. There was a greater desire manifested for physical examinations and more interest apparently taken in matters pertaining to Public Health. There is, however, a great need for wider publicity throughout the city in order that everyone may become familiar with the Clinic and the purpose of its existence. In November a second nurse was added to our staff; she will aid materially in the work of "Scout" duty, which was too great a task to be undertaken by one nurse in

such a scattered city as Cambridge. I believe that local physicians are not thoroughly acquainted, as yet, with the Clinic, and more co-operation on their part, would undoubtedly help the cause tremendously. Physicians, social workers, or any persons interested in our having any knowledge of a suspicious case, are urged to refer such case to the Tuberculosis Clinic, where prompt attention will be given same and formal report made if requested. The office is opened daily between 8-9 A. M., in charge of the nurses, who may be communicated with at that time. Examinations are made as heretofore, on Tuesdays and Saturdays, between 10-12 o'clock A. M. and Thursday evenings between 7.30 and 9 o'clock.

PATRICK J. FLEMING, M. D.,

Dispensary Physician.

REPORT OF TUBERCULOSIS NURSES

The Tuberculosis Nurses herewith submit the report for the year ending December 31, 1920.

The office and clerical work of the Tuberculosis Dispensary has greatly increased during the past year, leaving less time for the outside work and with the new patients being constantly added and old patients still remaining on the lists the field work becomes greater also.

During the last year it has involved on the Dispensary to call upon the doctors on each new case reported and to arrange the preparatory details for the admission to the Tuberculosis Hospital for such patients as may decide to go, which has been done in previous years by the Social Worker of the Department.

In February the Tuberculosis nurse was sent into the Public Schools for a week or so, doing school nurse duty during the second influenza outbreak, consequently discarding the Tuberculosis work for the time, except maintenance of the clinics at the Dispensary.

On August 16 a much needed additional nurse, Margery Manning, R. N., was assigned to this work, and after a short period she resigned, and was succeeded by Helen C. Cummings, R. N., on November 15.

Thanks are tendered to the Welfare Organizations, most especially the Cambridge Welfare Union, for their ever ready response to the call for aid in behalf of the patients who need necessary clothing before entering the Tuberculosis Hospital.

Home calls:

| | |
|-------------------------|------------|
| Original visits | 176 |
| Subsequent visits | 957 |
| Total | <hr/> 1133 |

Cases under supervision at home—(more or less inadequate), 578.

Respectfully submitted,

MARY L. THACHER, R. N.,

HELEN C. CUMMINGS, R. N.,

Tuberculosis Nurses.

REPORT OF CONTAGIOUS DISEASE FIELD NURSES

The report of the Public Health Nurses assigned to Contagious Disease Investigation and control of reported cases and their contacts, is submitted for the year 1920.

Consistent with the procedure begun during the summer of 1919, the nurses visit the addresses of which communicable diseases have been reported, to investigate the source of infection, to reasonably restrict those who have been in contact with the infected person during the period of incubation, and to see that isolation, and proper precautions to safeguard the health of the immediate family, and the public at large, are maintained. The heads of families have been instructed regarding the requirements of the Board of Health relative to the various diseases.

In the fall Anna E. Maguire, a World War Veteran Army Nurse, was appointed as an associate to Anna B. Driscoll, R. N., who has been assigned to this work since the summer of 1919.

The following is a detailed report of the cases investigated, with number of visits made:

| | |
|--|-------|
| Number of calls | 5,044 |
| Septic Sore Throat | 1 |
| Diphtheria | 213 |
| Scarlet Fever | 264 |
| Mumps | 505 |
| Whooping Cough | 552 |
| Chicken Pox | 473 |
| Measles | 756 |
| German Measles | 8 |
| Infantile Paralysis | 40 |
| Influenza | 9 |
| Typhoid Fever | 5 |
| Trachoma | 1 |
| Suppurative Conjunctivitis | 1 |
| Epidemic Cerebro Spinal Meningitis | 1 |
| Gonorrhea | 3 |
| Syphilis | 1 |
| Malaria | 1 |

ANNA B. DRISCOLL, R. N.,

ANNA E. MAGUIRE, R. N. (Me.)

REPORT OF INFANT WELFARE NURSES

We respectfully submit the following report of this division for the year ending December 31, 1920.

Birth registration has been taken for the basis of visiting infants. With few exceptions every baby registered in Cambridge is visited by the nurses and kept under their supervision until one year of age, subject, of course, to non-interference with the attending physician, if any. Mothers are taught the general care of their babies and are given instructions in preparing formulas. Special attention is given to bottle fed babies. Every Ophthalmia Neonatorum or Suppurative Conjunctivitis case, reported to the Board of Health is visited by the nurses to ascertain if proper treatment and care are being given, and the attending physician's orders carried out, or to see that proper hospital care is provided for babies not receiving the necessary attention at home, thus minimizing the possibility of blindness. Many babies have been referred to this division for follow-up work after their discharge from various hospitals and dispensaries in this immediate vicinity.

As has been the custom for years past, the Neighborhood House Health Centre through the Cambridge Visiting Nurse Association has provided a nurse in the district, comprising Ward 4, to co-operate with the Board of Health.

The Board of Health maintains four permanent weekly clinics at the following places:

Community House, 17 Fifth Street (E. Cambridge).

Sleeper School (North Cambridge).

Cambridge Field Shelter, Willow Street (Ward 3).

Riverside House, Ballard Place, off Putnam Avenue (Ward 7).

Arrangements have been made to hold clinics in the Haggerty School, Mt. Auburn District, beginning January 3, 1921.

The greatest number of babies who die are seldom seen by the nurses, as many of their births are not reported until too late for aid from this Division. Proper and prompt registration of births would be a very great asset to Infant Welfare Work.

The following table shows the infant mortality under one year of age per thousand recorded live births:

(Inasmuch as the birth registration is not complete when this table is compiled, the rate is necessarily higher than when the complete registration data is available.)

INFANT MORTALITY UNDER ONE (1) YEAR OF AGE

| | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 |
|------------------|-------|-------|------|------|------|------|------|------|------|-------|
| Number of deaths | 340 | 294 | 275 | 244 | 243 | 243 | 205 | 303 | 205 | 272 |
| Rate | 116.0 | 100.1 | 89.6 | 78.4 | 78.5 | 77.9 | 62.7 | 92.4 | 62.9 | 81.73 |

The following is a report of clinics for the year:

| | Clinics | New Cases | Total Attend. |
|-------------------------|---------|-----------|---------------|
| Riverside | 48 | 135 | 776 |
| Sleeper School | 52 | 114 | 837 |
| Community House | 51 | 114 | 769 |
| Cambridge Shelter | 48 | 150 | 780 |
| Totals | 199 | 503 | 3,182 |
| Average attendance, 16. | | | |

| | |
|--|-------|
| Births reported transmitted by City Clerk | 3,437 |
| Number of babies on visiting list January 1, 1920 | 1,660 |
| Number of new babies added during the year | 1,148 |
| Total babies on visiting list for year | 2,808 |
| Home visits made during the year | 6,167 |
| Number of cases discharged (total) | 1,812 |
| Number on visiting list who died | 53 |
| Number sent to hospitals | 27 |
| Number over one year discharged | 1,014 |
| Number not needing supervision | 573 |
| Number moved away | 145 |
| Total number of babies on visiting list January 1, 1921..... | 996 |
| Total deaths during the year (under one year) | 272 |
| Total deaths during the first month | 67 |
| Total deaths during the first 24 hours | 49 |
| Number of still births | 109 |
| Number of cases of Ophthalmia Neonatorum reported | 28 |
| Number of cases of Suppurative Conjunctivitis reported..... | 27 |

The following is a list of cases seen by nurses during the year:

| | |
|-------------------------------------|-------|
| Normal cases | 2,499 |
| Feedings | 670 |
| Bronchitis | 58 |
| Broncho Pneumonia | 29 |
| Premature | 29 |
| Pertussis | 56 |
| Suppurative Conjunctivitis | 27 |
| Ophthalmia Neonatorum | 28 |
| Conjunctivitis not reportable | 45 |
| Infected Umbilicus | 24 |
| Umbil Hernia | 44 |
| Inguinal Hernia | 5 |
| Eczema and Skin Eruptions | 101 |
| Impetigo | 48 |
| Enlarged Thymus | 1 |
| Varicella | 18 |
| Influenza | 1 |
| Diarrhea | 44 |
| Under weight | 96 |
| Poor Care | 143 |
| Thrush | 20 |

| | |
|---------------------------|----|
| Rickets | 24 |
| Malnutrition | 17 |
| Scabies | 2 |
| Cardiac | 15 |
| Mastoid | 3 |
| Otitis Media | 7 |
| Gastro Enteritis | 8 |
| Malformation | 5 |
| Cases not diagnosed | 10 |

The nurses are very grateful to private individuals and to all the various social agencies, especially the Community House personnel, for their co-operation and material aid given us in our work. Also to the School Department personnel for co-operation at Public Schools used for clinics. The department is grateful to Doctors Samuel Chalfen, Walter C. Feeley, Mary T. Mernin, Samuel A. Clement, and Morgan Hanlon, for their gratuitous services at the clinics.

Respectfully submitted,

MARY A. MACDONALD, R. N.,
BRIDGET A. HEANUE, R. N.

TO THE CAMBRIDGE BOARD OF HEALTH

SUMMARY OF INFANT WELFARE WORK IN WARD IV FOR THE YEAR 1920

| | |
|--|-----|
| Babies on visiting list January 1, 1920..... | 269 |
| New cases admitted | 367 |
| | 636 |

| | Jan. | Feb. | March | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Totals |
|-----------------------|------|------|-------|-------|-----|------|------|------|-------|------|------|------|--------|
| New Babies..... | 38 | 20 | 82 | 31 | 15 | 23 | 0 | 8 | 68 | 27 | 36 | 19 | 367 |
| Breast-Fed | 28 | 17 | 62 | 25 | 14 | 21 | | 8 | 47 | 18 | 28 | 15 | 283 |
| Bottle-Fed | 3 | 2 | 13 | 5 | 1 | 1 | | | 9 | 6 | 2 | 4 | 46 |
| Breast and Bottle-Fed | 6 | 1 | 7 | 1 | | 1 | | | 4 | | 6 | | 26 |
| General Diet | 1 | | | | | | | | 8 | 3 | | | 12 |
| Cases Closed | 3 | 45 | 4 | 74 | 1 | 23 | 7 | 3 | 0 | 1 | 1 | 1 | 163 |
| Discharged | | 39 | | 73 | | 16 | 6 | | | | | | 134 |
| Transferred | | 1 | | | | | | | | | | 1 | 1 |
| Moved from City .. | | 3 | 1 | | 1 | 7 | | | | | | 1 | 13 |
| Died | 3 | 2 | 3 | 1 | | | 1 | 3 | | 1 | 1 | | 15 |

| | |
|--|-----|
| Babies on visiting list January 1, 1921..... | 473 |
|--|-----|

| | Jan. | Feb. | March | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Totals |
|---|------|------|-------|-------|-----|------|------|------|-------|------|------|------|--------|
| Birth Returns Received | 29 | 29 | 48 | 38 | 20 | 24 | 45 | 27 | 80 | 40 | 24 | 17 | 421 |
| Cases of Oph. Neon... | | | | | | | | | | | 1 | | 1 |
| Cases of Suppurative Conjunctivitis | | | | | | | | | | | | | |
| Number of Home Visits | 366 | 227 | 479 | 418 | 466 | 478 | 112 | 368 | 267 | 370 | 311 | 322 | 4184 |

Respectfully submitted,

MIRIAM BENEDICT, R. N.

REPORT OF THE SCHOOL NURSE

The work of the School Nurses is being carried on as in former years, under the direction of the Board of Health and in co-operation with the School Department.

The three nurses supplied by the Red Cross finished their work September first. These three nurses having but one or two schools to look after, demonstrated what can be done by giving each nurse less territory to cover.

The Parents Association of the Agassiz, Lowell and Harvard districts, assisted by the Visiting Nurses Association, supplied a nurse to do the work in these schools until the closing of school in June.

In September three nurses were added to the staff, making eight nurses doing school work. The city was divided into seven districts and one nurse assigned to the High Schools giving her entire time at the schools.

During the month of February because of the fear of a recurrence of influenza, the Board of Health assigned the four nurses doing contagion, infant welfare and Tuberculosis work, to the schools. A nurse or school physician was in the school at 8.30 A. M. each day and all children were examined. All children with red throats or a question of any sickness at home were excluded until the case was investigated by a nurse.

A course in home nursing was given in the afternoon, to 250 teachers by four of the nurses. These classes were held at the Agassiz, Merrill, Thorndike and High Schools.

In June the school nurses took over the work of assisting the Medical Inspector in the examination of children applying for work certificates, between the ages of 14 and 16 years. A card record is kept of each child; all defects recorded for future reference. This work is carried on the same as the school work in co-operation with the School Department.

The summer Open Air School was again held at the Haggerty Building. Two nurses were in constant attendance, one taking the children to the clinics while the other stayed at the school. Every child was weighed and measured each week, and a record sent home to parents. Health talks were given to all. Little Mothers' Club was formed; also first aid class for the boys. The 200 pupils attend-

ing were given treatment and all defects which could be, were corrected.

With a full time dentist and one on part time more work could be done for the teeth of the school children. Friday and Saturday were set apart for the seven parochial schools. This amounted to about 30 per cent. of the appointments.

During the summer months three of the school nurses were put on special survey work on all reported cases of tuberculosis.

REPORT FOR YEAR ENDING DECEMBER 31, 1920

BOARD OF HEALTH NURSES

Home Calls

| | | | |
|-------------------------------|------|------------------------------|------|
| Tonsils defective | 373 | Orthopedic defects | 37 |
| Tonsils and adenoids | 1048 | Faulty posture | 13 |
| Adenoids | 29 | Curvatures | 7 |
| Asthma | 4 | Torticollis | 5 |
| Bronchitis | 1 | Fractures | 10 |
| Laryngitis | 3 | Dislocated patella | 2 |
| Tonsilitis | 143 | Influenza | 19 |
| Sore throats | 82 | LaGrippe | 7 |
| Colds | 123 | Mumps | 47 |
| Malnutrition | 150 | Pertussis | 59 |
| Debility | 16 | Chicken pox | 59 |
| Anemia | 7 | Measles | 55 |
| Cardiac | 31 | Diphtheria | 18 |
| Chorea | 8 | Scarlet fever | 38 |
| Rheumatism | 11 | Acute poliomyelitis | 2 |
| Nervousness | 20 | Tuberculosis | 5 |
| Diarrhea | 3 | Tubercular hip | 3 |
| Defective vision | 653 | Pneumonia | 6 |
| Strabismus | 10 | Sprained ankle | 1 |
| Granulated lid | 10 | Strained ligaments | 2 |
| Interstitial keratitis | 8 | Infected hands | 22 |
| Conjunctivitis | 97 | Injury to fingers | 14 |
| Hordeolum | 6 | Injury to shoulders | 3 |
| Question of glasses | 16 | Wounds | 1 |
| Vision and tonsils | 5 | Concussion of brain | 1 |
| Vision and teeth | 3 | Hernia | 2 |
| Headache | 2 | Jaundice | 1 |
| Injury to eye | 6 | Hemorrhage | 3 |
| Defective teeth | 981 | Enteritis | 1 |
| Alveola abscess | 4 | Sinusitis | 2 |
| Defective speech | 7 | Arthritis | 6 |
| Defective hearing | 26 | Epilepsy | 13 |
| Otitis Media | 122 | Mental deficient | 1 |
| Old mastoid | 4 | Unkempt condition | 81 |
| Nasal obstruction | 7 | Investigation | 212 |
| Catarrh | 1 | Paralysis | 4 |
| Cultures taken | 70 | Lung condition | 4 |
| Sputum specimen | 2 | Gastric condition | 2 |
| Cervical glands | 27 | Foreign body in eye | 3 |
| Pediculosis | 517 | Questionable | 104 |
| Scabies | 209 | Miscellaneous | 625 |
| Impetigo | 244 | Indigestion | 3 |
| Eczema | 47 | | |
| Ringworms | 78 | | 6763 |
| Sores | 31 | | |
| Furuncle | 6 | Special work on tuberculosis | |
| Seborrhea cap | 2 | during summer months | 531 |
| Burns | 3 | | |
| Scabies and pediculosis | 4 | | 7294 |

| | |
|---|------|
| Number of home calls | 7294 |
| Number of home calls unrecorded | 281 |
| Number of children to clinics | 4246 |
| Number of notes sent | 1653 |
| Number of children held for Medical Inspector | 8111 |
| Number seen in High School Office | 6995 |

BOARD OF HEALTH SCHOOL PHYSICIANS' REPORT ON ALL DEFECTS
FOUND AS A RESULT OF PHYSICAL EXAMINATIONS

January 1 to December 31, 1920

| | | | |
|------------------------------|------|-------------------------------|------|
| Defective teeth | 2629 | Vaccination | 20 |
| Alveola abscess | 2 | Alopecia creata | 1 |
| Sore throats | 9 | Anemia | 23 |
| Tonsilitis | 47 | Malnutrition | 153 |
| Pharyngitis acute | 10 | Chorea | 4 |
| Laryngitis | 9 | Debility | 17 |
| Bronchitis | 11 | Cardiac | 43 |
| Asthma | 1 | Rheumatism | 2 |
| Hyper tonsils | 340 | Epilepsy | 1 |
| Tonsils and adenoids | 1148 | Trachycardia | 1 |
| Hyper adenoids | 22 | Richets | 1 |
| Catarrh | 5 | Torticollis | 2 |
| Coryza | 46 | Constipation | 9 |
| Red throats | 30 | Systolic | 211 |
| Cleft palate | 1 | Rales in chest | 19 |
| Defective speech | 1 | Potts disease | 1 |
| Otitis media | 17 | Posture | 10 |
| Earache | 1 | Scoliosis | 11 |
| Defective hearing | 3 | Orthopedic defects | 4 |
| Defective vision | 46 | Archès | 1 |
| Blepharitis | 12 | Arthritis | 1 |
| Conjunctivitis | 23 | Cervical glands | 46 |
| Strabismus | 17 | Miscellaneous | 18 |
| Phlyctenular keratitis | 3 | Wounds | 21 |
| Hordeolum | 12 | Sprains | 14 |
| Ulcer of Cornea | 2 | Septic finger | 2 |
| Foreign body in eye | 7 | Temperature | 1 |
| Injury to eye | 4 | Mental retardation | 15 |
| Pink eye | 1 | Feeble minded | 1 |
| Myopia | 2 | Chilblains | 1 |
| Eczema | 46 | Malingerer | 5 |
| Acne | 7 | Indigestion | 23 |
| Herpes | 36 | Cigarette smokers | 9 |
| Impetigo | 64 | Enteritis | 1 |
| Scabies | 43 | Cultures taken | 2 |
| Ring worm | 28 | Hemorrhage | 1 |
| Seborrhea | 3 | Ivy poisoning | 1 |
| Dermatitis | 28 | Diagnosis deferred | 23 |
| Furuncle | 18 | Questionable | 93 |
| Psoriasis | 6 | Physical examination | 642 |
| Infected sores | 12 | Physical examination O. K.... | 3237 |
| Burns | 4 | Returned after exclusion | 66 |
| Wen | 2 | Underweight | 3 |
| Abscesses | 3 | Injuries | 11 |
| Pediculosis | 486 | Mumps | 14 |
| (Unclean) dirty | 43 | Chicken pox | 35 |

| | | | |
|----------------------|---|-----------------------|--------------|
| Whooping cough | 2 | Pre tubercular | 23 |
| Tuberculosis | 1 | Deviated septum | 9 |
| Scarlet fever | 1 | | |
| Desquamation | 1 | | <hr/> 10,147 |

RED CROSS NURSES ASSIGNED TO GORE, PUTNAM, WEBSTER, ELLIS
AND SLEEPER SCHOOL DISTRICTS

January to September, 1920 (Inclusive)

| | | | |
|--------------------------------|-----|------------------------------|------------|
| Tonsils and adenoids | 327 | Fractures | 3 |
| Tonsilitis | 34 | Scoliosis | 5 |
| Sore throats | 22 | Sprains | 1 |
| Bronchitis | 5 | Septic sore throat | 1 |
| Nose and throat examination.. | 39 | Anti poliomyelitis | 1 |
| Question of tonsils, operation | 63 | Mumps | 45 |
| Daily temperature | 9 | Measles | 46 |
| Colds | 120 | Pertusses | 38 |
| Headaches | 7 | Chicken pox | 19 |
| Defective vision | 74 | Scarlet fever | 3 |
| Phlyctenular keratitis | 4 | Influenza | 17 |
| Blepharitis | 7 | LoGrippe | 6 |
| Conjunctivitis | 6 | Measles and pneumonia | 2 |
| Question of glasses | 3 | Measles and pertusses | 2 |
| Defective teeth | 752 | Dog bite | 3 |
| Alveolar abscess | 10 | Pneumonia | 12 |
| Earache | 14 | Tubercular finger | 2 |
| Running ears | 7 | Tubercular gland | 2 |
| Otitis media | 24 | Tubercular suspect | 1 |
| Nervousness | 3 | Swollen gland | 7 |
| Malnutrition | 83 | Vaccination | 1 |
| Rheumatism | 8 | Underweight | 10 |
| Cardiac | 33 | Abscess head | 3 |
| Chorea | 10 | Growth in mouth | 5 |
| Chorea and scabies | 3 | Circumcision | 4 |
| Epilepsy | 2 | Convulsion | 1 |
| Diarrhea | 1 | Questionable | 57 |
| Indigestion | 10 | Bruised ankle | 1 |
| Pediculosis | 31 | Infected sores | 12 |
| Ring worm | 5 | Injury to eye | 6 |
| Tinea favus | 1 | Injury to finger | 3 |
| Herpes | 5 | Injury to foot | 11 |
| Scabies | 25 | Investigation | 63 |
| Impetigo | 17 | Pain in side | 3 |
| Eczema | 1 | For X-Rays | 6 |
| Chilblains | 2 | For open air schools. Inves- | |
| Boils | 1 | tigation | 84 |
| Burns | 3 | | <hr/> 2276 |
| Orthopedic defects | 16 | | |
| Stiff elbow | 3 | | |

| | |
|--|------|
| Number of home calls | 2276 |
| Number of home calls unrecorded | 285 |
| Number of children to clinic | 3201 |
| Number of children examined by Medical Inspector | 582 |
| Number of notes sent | 613 |
| Number of home treatments | 25 |

SPECIAL SCHOOL NURSE (PARENTS' ASSOCIATION OF AGASSIZ,
LOWELL, HARVARD, FELTON AND MERRILL DISTRICTS)

January to June, 1920 (Inclusive)

| | | | |
|------------------------------|-----|--------------------------|-----|
| Tonsils and adenoids | 49 | Chicken pox | 5 |
| Sore throats | 28 | Diphtheria | 1 |
| Laryngitis | 2 | Otitis media | 5 |
| Colds | 63 | Malnutrition | 8 |
| Glands | 9 | Anemia | 9 |
| Defective teeth | 113 | Pneumonia | 4 |
| Conjunctivitis | 7 | Mumps | 30 |
| Strabismus | 22 | Measles | 11 |
| Granulated lids | 6 | Orthopedic defects | 3 |
| Interstitial keratitis | 1 | Infected fingers | 12 |
| Phlyctenular keratitis | 1 | Infected foot | 3 |
| Pediculosis | 36 | Bruised leg | 4 |
| Scabies | 21 | Burns | 3 |
| Ring worm | 4 | Unkempt condition | 12 |
| Impetigo | 32 | Investigation | 27 |
| Eczema | 6 | | |
| Boils | 14 | | 571 |
| Whooping cough | 20 | | |

| | |
|--|-----|
| Number of home calls | 571 |
| Number of children to clinic | 460 |
| Number of home calls unrecorded | 43 |
| Number of children held for inspection | 47 |
| Number of notes sent | 21 |
| Number of home treatments | 5 |

WORK CERTIFICATE PHYSICAL EXAMINER

I respectfully submit the following report of the examination of Cambridge School Children for Working Certificates for the year 1920.

| | |
|---|-------|
| Children seen | 4,515 |
| Children examined first time and on record..... | 2,391 |
| Children returning for new jobs | 2,124 |
| Total number found defective | 1,451 |
| Normal | 940 |
| DEFECTS | |
| Skin Diseases | 50 |
| Pediculosis | 251 |
| Eye Defects | 91 |
| Carious Teeth | 692 |
| Enlarged and Diseased Tonsils | 132 |
| Heart Murmurs | 150 |
| Lung Disturbances | 85 |
| <hr/> | |
| Total defects | 1,451 |

All children re-examined when applying for new certificate, if record shows defect found on first examination, to see if defect is improved or has been corrected.

All children applying for new certificates are re-examined, even though found normal at first examination, if three months' time has elapsed since last examination.

All children found with defects given 30 days in which to correct same, under penalty of losing position at end of that time, if not corrected—*except* cases with Pediculosis, which cases are held up until head is completely cleaned up; and extremely bad tonsil cases where immediate operation is requested before granting the certificate.

All heart cases are urged to report back for re-examination at end of month, to ascertain if any additional impairment has resulted from the work.

Lung cases are requested to report back at an early date, according to condition found in lungs, and to seek advice of family physician.

▲ One-half the cases with defects such as Hyper-Tonsils, Carious Teeth and Eye Strain are corrected promptly within the 30-day period granted.

Many others fail to correct the defects, but upon applying for new certificates, are refused same, until they produce an appoint-

ment card from the dentist or doctor, stating the defects are under treatment.

The work in this department has been greatly improved and aided by the willing and efficient services of Miss Mary Church, head school nurse, who acts as chaperon and helps in the clerical work, assisted by the several Assistant School Nurses.

SUMNER C. ANDREWS, M. D.

REPORT OF SCHOOL DENTAL CLINIC

We herewith respectfully submit the report of the Dental Clinic for the year ending December 31, 1920.

The object of the clinic is to give dental treatment to school children of limited means, or such cases as the school nurses deem it advisable.

During the past year the working efficiency of the clinic has been greatly increased: The former half time dentist was employed for full time, beginning May 1, and an additional dentist, Dr. M. F. Shea, was appointed November 1 to work half time.

The Red Cross supplied the equipment which was necessitated for the additional dentist.

In addition to treating the public children, one and a half days a week have been allotted to the children of parochial schools.

The following is a brief report of work performed:

| | |
|-----------------------------------|-------|
| Total number of cases | 676 |
| Total number of visits | 2,067 |
| Total number of fillings | 1,898 |
| Total number of extractions | 372 |

The above report does not include the prophylactic work or treatments.

E. M. LUCK, D. M. D.,

M. F. SHEA, D. M. D.,

School Dentists.

INSPECTOR OF SLAUGHTERING AND PROVISIONS

The undersigned respectfully submits his report on Inspection of Provisions and Slaughtering for the year ending December 31, 1920.

During this year the Bakery Laws of the State have been revised, and consistent with law approved on May 6, 1920, this division has been exceptionally active to bring the standard of Cambridge bakeries to the requirements of this law. This has been reasonably accomplished in a short time, principally because our Cambridge Regulations and standard have been of a high calibre.

The local regulation relative to screening all edible "as is" food stuffs is receiving very favorable compliance.

Below is a condensed report of the amount of market products condemned:

| | | |
|-------------------------|-----|---------|
| Beef | 684 | pounds |
| Lamb | 129 | " |
| Pork | 212 | " |
| Cod, haddock, etc. | 326 | " |
| Lobsters | 57 | " |
| Clams and oysters | 2½ | gallons |

FRUIT CONDEMNED

| | | |
|--|-----|---------|
| Strawberries | 181 | boxes |
| Grapes | 1½ | bushels |
| Canteloupe melons | 8 | crates |
| Watermelons | 68 | |
| Pears | 3½ | bushels |
| Peaches | 4 | bushels |
| Oranges | 18 | dozen |
| Cranberries | 2 | bushels |
| Raspberries, blackberries, blueberries | 3½ | crates |

VEGETABLES CONDEMNED

| | | |
|-------------------------------------|-------|---------|
| Cabbage | 1½ | barrels |
| Potatoes | 8 | bushels |
| Asparagus | 6½ | bushels |
| Sweet potatoes | ½ | barrel |
| Squash | 1 | barrel |
| Spinach and other greens | 18 | bushels |
| Celery | 3½ | boxes |
| Lettuce (one large team load) | 1,800 | heads |

MISCELLANEOUS PRODUCTS CONDEMNED

- 1 barrel of cider (water).
- 22 pounds of cheese.
- 1/2 bunch of bananas.
- 3 gallons ice cream (filthy container).
- 5 persons in court for selling food unfit for human consumption.

All were convicted and fined. Four persons in court for exposing food on street without proper protection from flies, dust and dirt. Cases continued, and compelled to properly cover food.

SLAUGHTERING INSPECTION

| | |
|------------------------|----------|
| Veal slaughtered | 6,700 |
| Lamb | 27 |
| Beef | 32 |
| Hogs | 21 |
| Poultry | 27 |
| Veal condemned | 184 |
| Hogs | 3 |
| Poultry | 475 lbs. |

JOSEPH L. JOHNSON,
Inspector of Slaughtering and Provisions.

VIOLATIONS OF REGULATIONS, NUISANCES ABATED, LICENSES GRANTED, ETC.

Water-closets—offensive and defective:

| | |
|---|-----|
| Filthy bowls (and urinals) | 146 |
| Leaking bowls | 54 |
| Broken bowls | 36 |
| Defective bowls (misc.) | 2 |
| Obstructed soil-pipes | 106 |
| Defective soil-pipes | 64 |
| Defective tanks | 18 |
| Defective traps (including uncovered traps) | 39 |
| Closets not supplied with running water | 198 |
| Insufficient supply of running water | 81 |
| New closets installed | 83 |
| New bowls installed | 65 |
| Defective supply-pipes (from tank to bowl) | 41 |

Sinks—offensive and defective (including wash-bowls, bath tubs and set-tubs:

| | |
|---------------------------|----|
| Filthy basins | 25 |
| Leaking basins | 26 |
| Defective traps | 63 |
| Defective drains | 48 |
| Obstructed drains | 55 |
| Untrapped drains | 8 |
| New sinks installed | 21 |

| | |
|---|-----|
| Obstructed and defective house-drains | 36 |
| Offensive cesspools cleaned and removed | 27 |
| Offensive privy-vaults removed | 2 |
| Defective ice chest connections | 12 |
| Defective lunch cart connections | 1 |
| Defective barber shop connections | 5 |
| Wet and damp cellars remedied | 101 |
| Water in light wells | 8 |
| Leaking roofs | 4 |
| Stagnant water on premises removed | 52 |
| Stagnant water in streets and gutters removed | 23 |
| Dirty yards cleaned | 562 |
| Dirty roofs cleaned | 14 |
| Dirty buildings cleaned (including rooms) | 33 |
| Dirty stairways cleaned | 44 |
| Dirty light wells cleaned | 15 |
| Dirty cellars cleaned | 284 |
| Dirty sheds cleaned | 14 |
| Dirty stores cleaned | 18 |
| Dirty hen-coops cleaned | 55 |
| Dirty stables cleaned | 26 |
| Dirty piazzas cleaned | 6 |
| Uncovered manure pits properly covered | 16 |
| Manure pits repaired, and new pits built | 15 |
| Manure in yards and lots removed | 27 |
| Vacant lots cleaned | 31 |
| Defective, or lack of stable connections (gutters, traps and drains.. | 9 |
| Defective stable floors repaired | 14 |
| Filthy garbage receptacles cleaned | 70 |
| Filthy garbage bins cleaned | 97 |
| New garbage receptacles provided with covers | 136 |
| New garbage receptacle covers provided | 126 |

| | |
|--|--------|
| Dead animals removed | 58 |
| Cat, dog, and miscellaneous animal nuisances abated | 13 |
| Fowl removed from dwelling-houses (cellars, attics, etc.): | |
| Number of houses | 32 |
| Total nuisances abated | 3,173 |
| Bakeries cleaned and whitened | 31 |
| Unsanitary dwellings vacated | 15 |
| Unsanitary stables vacated | 11 |
| Unsanitary barber shops vacated | 0 |
| Plumbing tests made (peppermint and bluing) | 19 |
| Stables occupied without license | 14 |
| Keeping hens without license | 42 |
| Keeping pigeons without license | 10 |
| Keeping hogs without license | 3 |
| Hearing notices posted (number premises) | 128 |
| Hearings advertised in public press | 30 |
| Legal orders served | 390 |
| Houses disinfected | 666 |
| School rooms disinfected | 1 |
| Public sanitariums—inspections and cleanings | 699 |
| Public sanitariums repaired | 2 |
| Inspections by sanitary inspectors | 14,098 |
| Subsequent inspections by sanitary inspectors | 6,810 |
| Complaints received by inspectors through office | 832 |
| Complaints received by inspectors outside office | 314 |
| Complaints received and investigated—no cause | 178 |
| Complaints received and investigated—nuisance abated | 924 |
| Hearings given: | |
| On applications to maintain rendering plant | 1 |
| On applications to keep horses | 38 |
| On applications to keep hens | 185 |
| On applications to keep pigeons | 9 |
| On applications to keep ducks | 2 |
| Permits granted: | |
| Stables—cows (16 applications) | 18 |
| Stables—horses | 30 |
| Hens | 159 |
| Pigeons | 9 |
| Ducks | 0 |
| Licenses granted: | |
| Undertakers | 58 |
| Manicure and massage | 31 |
| Rummage sales | 23 |
| Day nursery | 1 |
| Denatured alcohol | 24 |
| Collect and cart grease | 13 |
| Collect and cart manure | 19 |
| Collect garbage | 1 |
| Cart garbage | 4 |
| To fill premises | 4 |
| To distribute free samples of medicine | 0 |
| Premises approved as suitable: | |
| To board infants | 20 |
| To maintain lying-in hospitals | 1 |
| To slaughter cattle | 3 |
| To smoke sausage meat | 1 |

Permits issued for burial and removal of dead bodies:

| | |
|---------------------------------|-------|
| Died in Cambridge | 1,766 |
| Died outside of Cambridge | 44 |
| Disinterments | 36 |

Patients removed to hospitals:

| | |
|---|-----|
| To Massachusetts Homeopathic Hospital, Brighton | 145 |
| To Tuberculosis Hospital, Concord Avenue | 40 |
| To Municipal Hospital, Cambridge Street | 9 |
| To Psychopathic Hospital, Boston | 2 |
| To Somerville Contagious Hospital | 1 |

JOHN D. CROWLEY,

Clerk.

APPENDIX

ORDINANCES

PASSED BETWEEN APRIL 1, 1920, AND APRIL 1, 1921.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE GOVERNING THE
CONSTRUCTION, ALTERATION, REMOVAL, EQUIPMENT,
ETC., OF BUILDINGS.

Be it ordained by the City Council of the City of Cambridge as follows:

Division 30, Section 201 of the Building Ordinances is hereby amended in the sixth line by striking out the word "each" and inserting in place thereof the word "such."

As amended the sentence will read as follows:

"The entrance floor for such stairway shall either be of first-class construction with no opening through it, or, if the floor is of combustible construction the enclosure walls shall be continued to the basement or cellar floor without openings below the entrance floor."

Approved April 15, 1920.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE GOVERNING THE
CONSTRUCTION, ALTERATION, REMOVAL, EQUIPMENT,
ETC., OF BUILDINGS.

Be it ordained by the City Council of the City of Cambridge as follows:

Division 7, Section 21, of the Building Ordinances is hereby amended by adding at the end of the Section the following:

"Changes in existing dwellings may be made to permit of their occupancy by not more than three families under such conditions as the Superintendent may require. This amendment shall become null and void on the first day of January, in the year Nineteen Hundred and Twenty-two."

Approved July 10, 1921.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE GOVERNING THE
CONSTRUCTION, ALTERATION, REMOVAL, EQUIPMENT,
ETC., OF BUILDINGS.

Be it ordained by the City Council of the City of Cambridge as follows:

Division 11, Section 77 of the Building Ordinance is hereby amended in the last paragraph on page 59 by striking out the entire paragraph and substituting in place thereof the following:

Curtain walls between columns, buttresses or projecting piers may be thinner than required by preceding tables: provided, however, that in dwellings not over three stories high such curtain walls shall be not less than 4 inches thick and in all other buildings such curtain walls shall not be less than 12 inches thick for party walls nor less than 8 inches thick for exterior walls, except that the portion between the top of one window opening and the bottom of the window opening above, if faced with metal, shall be backed by at least 4 inches of incombustible material.

Curtain walls in buildings of skeleton construction shall be securely anchored to the frame at each floor level. No curtain wall exceeding 20 feet in length shall have a greater height unstayed laterally than thirty times its thickness.

Approved July 10, 1920.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE GOVERNING THE
CONSTRUCTION, ALTERATION, REMOVAL, EQUIPMENT,
ETC., OF BUILDINGS.

Be it ordained by the City Council of the City of Cambridge as follows:

Division 14 of the Building Ordinance is hereby amended by substituting in place thereof the following:

Division 14—Reinforced Concrete Construction.

Reinforced concrete shall mean an approved mixture of Portland Cement, water and fine and coarse aggregate, reinforced by steel.

The Portland cement and fine and coarse aggregate for reinforced concrete work shall conform to the quality of materials as defined in division eight of this ordinance.

Steel for reinforcement shall conform to the Standard Specifications for Steel Reinforcement Bars of the American Society for Testing Materials, as from time to time revised. It shall be free from mill scale and loose rust and shall not be coated in such manner as to weaken the bond.

The ingredients shall be thoroughly mixed, and the mixing shall continue until the cement is thoroughly distributed and the mass is uniform in color. The consistency shall be such that the concrete will flow freely about and entirely enclose the reinforcement, but shall not be so wet as to cause separation of the ingredients in handling.

The Superintendent may require an applicant for a permit for the structural use of concrete to have a competent inspector satisfactory to the Superintendent at all times on the work while concrete is being mixed or deposited, and such inspector shall make daily reports to the Superintendent on the progress of the work.

Forms shall be sufficiently tight to prevent any considerable loss of material in the pouring.

Concrete shall be used immediately after mixing, it shall not be placed in the work after it has begun to harden, and it shall be deposited in such manner and under such regulations as to secure a compact mass of the best quality for the proportions used. Forms shall remain until the concrete has hardened sufficiently to carry its load safely, and shall be removed without damage to the concrete.

Concrete shall not be deposited in forms until the reinforcement has been put in place and secured against displacement.

Columns shall be poured without any interruption to the bottom side of beams or girders which they support, or to the bottom of the flare in flat slab construction. Special care shall be taken in their pouring that no voids may result.

Columns and walls shall be poured not less than three hours in advance of the beams, girders, or slabs which they support. All columns of the same type in a story shall be of concrete mixed in the same proportions.

Structural slabs shall be poured the full thickness at time of pouring floor.

Proper precautions shall be taken in stopping concrete work to stop it at the points of low shear.

When fresh concrete is exposed to a hot or dry atmosphere or wind, special precautions to prevent premature drying shall be taken.

Concrete shall not be deposited when the temperature is below thirty-two degrees Fahrenheit, unless adequate precautions are taken to prevent freezing.

Main reinforcement in floor slabs shall be protected by a minimum of three-fourths of an inch of concrete: in beams, girders, columns and walls by one and one-half inches from the surface of the concrete to the surface of the main reinforcement.

In columns the outer one and one-half inches of concrete shall be regarded as fireproofing which shall be assumed to carry no stress.

In foundations and retaining walls the steel shall be protected, and on the side toward the earth or water by a minimum of three inches of concrete.

Slab reinforcement bars in tension shall be not farther apart horizontally than two and one-half times the total thickness of the slab. In beams and girders the lateral spacing of parallel bars shall be not less than three diameters from center to center, and the clear space between two layers of bars shall be not less than one in.

Calculations shall be made with reference to working stresses and safe loads rather than with reference to ultimate strength and ultimate loads, and shall be based on the following assumptions:

- (a) A plane section before bending remains plane after bending.
- (b) The modulus of elasticity of concrete in compressions, within the usual limits of working stresses, is constant. The distribution of compressive stresses in beams, therefore, is rectilinear.
- (c) The tensile strength of the concrete in direct resistance to bending is neglected.
- (d) Under compressive stresses the two materials are stresses in proportion to their moduli of elasticity.
- (e) Initial stress in the reinforcement due to contraction or expansion in the concrete is neglected.

The span length for beams and slabs simply supported shall be taken as the distance from center to center of supports, but need not be taken to exceed the clear span plus the depth of beam or slab. For continuous or restrained beams or slabs, built monolithically into supports, the span length may be taken as the clear distance between faces of supports. Brackets shall not be considered as reducing the clear span in the same sense here intended, except that when brackets which make an angle of forty-five degrees or more with the axis of a restrained beam or the plane of a slab are built monolithically therewith, the span may be measured from the section where the total depth is at least one-third more than the depth at the edge of the bracket. Maximum negative moments are to be considered as existing at the end of the span as here defined.

Bending moments for uniformly distributed dead and live loads, in beams and slabs reinforced in one direction only shall be computed upon the following assumptions, where "w" is the total dead and live load per linear foot, and "l" is the span length:

- (a) for a single span freely supported bending at mid-span is

$$\frac{wl^2}{8}$$

- (b) for a single span restrained at the ends bending at mid-span is

$$\frac{wl^2}{12}$$

- (c) for two equal continuous spans freely supported, the bending at mid-span is

$$\frac{wl^2}{10}$$

and at central support is

$$\frac{wl^2}{8}$$

- (d) for two equal continuous spans restrained at supports, the bending at mid-span is

$$\frac{wl^2}{12}$$

and at central support is

$$\frac{wl^2}{10}$$

- (e) for three or more equal continuous spans freely supported the bending at mid-span of the end span, and at the first interior support is

$$\frac{wl^2}{10}$$

and the bending at mid-span of interior spans and at other interior supports is

$$\frac{wl^2}{12}$$

- (f) for three, or more equal continuous spans restrained at supports, the bending at the first interior support for beams is

$$\frac{wl^2}{10}$$

and for the slabs is

$$\frac{wl^2}{12}$$

and the bending at all other interior supports and at mid-span of all spans is

$$\frac{wl^2}{12}$$

- (g) at the restrained ends of continuous beams a negative bending of

$$\frac{wl^2}{16}$$

shall be generally assumed, but this shall be increased to not more than

$$\frac{wl^2}{12}$$

for small beams running into large columns.

Beams and slabs shall be considered as restrained at the ends when they frame monolithically into a structure sufficiently stiff and strong to introduce a negative bending moment into the beam at the end in amount not less than

$$\frac{wl^2}{16}$$

For continuous beams subject to other than uniformly distributed loads, the positive bending moment shall first be computed as though the beam were freely supported. The positive moment may then be reduced in the same proportion as specified above for beams loaded uniformly, and provision shall be made at the restrained ends for negative moments having the same ratio to the positive moment first computed that the negative moments specified above bear to

$$\frac{wl^2}{8}$$

Beams parallel to the main reinforcement of a one-way slab and into which no other beams frame and which are restrained at the ends by being built monolithically into supporting columns shall be designed for bending moments at the ends equal to wl^2 , and at

mid-span as follows:

When the 12 width columns parallel to the axis of the beam is not less than fifteen per cent. of the distance center to center of columns, or twice the depth of the beam $m = \frac{wl^2}{20}$; otherwise $m = \frac{wl^2}{16}$

20

16

For spans of unusual or unequal length and other special cases the design shall be such as to carry out the intent of this ordinance to the satisfaction of the superintendent.

For slabs supported on four sides and reinforced in both directions the distribution of loads shall be determined by the formula

$$r = \frac{1}{b} - 0.5$$

where

b is the breadth of slab.

1 is the length of slab.

r is the proportion of load carried by the transverse reinforcement.

In placing reinforcement in such slabs account shall be taken of the fact that the bending moment is greater near the center of the slab than near the edges, and two-thirds of the calculated moments shall be assumed as carried by the center half of the slab and one-third by the outside quarters.

Beams supporting rectangular slabs reinforced in both directions shall be assumed to take the proportions of load as determined by the formula in this section, the distribution of the load being assumed to vary in accordance with the ordinates of a parabola having its vertex at mid-span.

Opening in floors and roofs shall be so framed as not to exceed the allowable stresses.

In roof slabs the total depth shall not be less than three inches, and in floor slabs four inches.

In "T" beams the depth below the slab shall not exceed eight times the thickness of the slab adjacent to the stem. Cinder concrete slabs shall not be less than four inches thick; they shall not exceed eight feet in span.

Reinforcing materials which are self-centering shall not be used in spans to exceed eight feet. Fireproofing under self-centering reinforcement may be of Portland cement plaster.

If a beam or floor slab is assumed as fixed or partially restrained at a support, the column, wall, or other structure furnishing such restraint shall be proportioned to resist the stresses thereby induced.

Where adequate bond and shearing resistance between slab and web of beam is provided, the slab may be considered an integral part of the beam, but its effective width shall not exceed one-fourth part of the span length of the beam, nor shall its overhanging width on either side of the web exceed six times the thickness of the slab.

Columns or piers of concrete shall be reinforced when the un-

supported height exceeds six times the least gross dimension, and no reinforced concrete column shall have an unsupported height of more than twelve times its least gross dimension except with stresses reduced from those allowed by this ordinance in accordance with the ratio

$$\frac{h}{24d}$$

12 where h is unsupported height and d is least dimension and h — shall not in any case exceed eighteen. The maximum effective d

area of columns shall be taken as the area within the outer one and one-half inches of concrete covering, or, in the case of hooped columns or columns reinforced with structural shapes, it shall be taken as the area within the circle enclosing the spiral or the polygon enclosing the structural shapes. Longitudinal reinforcement shall be assumed to carry stress in proportion to the respective moduli of elasticity as given in this ordinance.

Exterior columns and their reinforcement shall be so proportioned as to withstand bending in addition to the direct load without exceeding the fiber stresses specified for beams elsewhere in this ordinance.

Reinforced concrete buildings may be supported by structural steel or cast iron columns, fireproofed where required, as provided elsewhere in this ordinance.

Brackets shall be provided to transmit the load from the floors to the column. Such columns shall be computed as follows:

- (a) If the brackets are placed immediately below the floor the structural steel or cast iron columns shall be assumed to carry the load of all the floors above.
- (b) If the brackets are placed immediately above a floor the structural steel or cast iron columns shall be assumed to carry all the load above the brackets, and the floor or floors below the brackets shall be carried on reinforced concrete encasing the metal, designed in accordance with the requirements of this ordinance, to the next bracket below

or to the foundation. In this case, however, the surrounding concrete shall be so separated from the steel or cast iron as to permit the separate action of both.

Circular hollow steel or wrought iron columns filled with concrete shall be allowed to carry a load equal to the capacity of the metal casing plus the capacity of the concrete filling. The average unit stress in the casing shall be that specified elsewhere in this ordinance for columns, and that in the concrete filling shall be in the same ratio to the unit stress in the casing which the modulus of elasticity of the concrete bears to that of the casing.

Columns with longitudinal reinforcement only shall have a steel area of not less than one per cent. and not more than four per cent. of the required effective area, and shall be allowed the stresses given in this ordinance. Longitudinal reinforcement bars shall be straight and shall be secured against lateral displacement by steel ties not less than one-fourth of an inch diameter, and placed not farther apart than sixteen diameters of the bars, nor more than twelve inches.

Columns which have longitudinal reinforcement to an amount not less than one per cent., and not more than four per cent. of the effective area, and which also have hoops or spirals to an amount not less than one per cent. of the volume of the enclosed core, spaced not farther apart in the clear than one-sixth of the diameter of the enclosed core, and in no case more than two and one-half inches, shall be allowed the stresses given in this ordinance: provided, however, that no such columns shall have a height greater than ten diameters of the enclosed core. The ends of hoops or spirals shall be united in such a way as to develop their full strength. The hoops or spirals shall be securely fastened to the longitudinal reinforcement or to approved spacers.

Concrete floors with permanent blocks or forms of incombustible materials, with ribs of reinforced concrete between, shall conform to the requirements of this ordinance as far as they are applicable, but the blocks or forms shall not be assumed as taking stress. If a slab not less than two inches thick above the blocks or forms is cast monolithic with the rib, the rib and slab may be considered as a T section. If such construction forms a flush ceiling, or if a plastered ceiling on metal lath is suspended below the ribs, the fireproofing for such construction shall be that required for slabs.

The following table gives the compressive strength in pounds per square inch which shall be assumed as the basis for design, a bag of cement weighing ninety-four pounds being assumed to measure one cubic foot in proportioning material, and the values given for aggregate to be the combined volume of fine and coarse aggregate measured separately.

| | | | | | |
|---------------------------|------|------|------|------|-----------|
| Mixture, 1:3 | 1:4½ | 1:6 | 1:7 | 1:7½ | 1:9 |
| Stone concrete, | 3300 | 2800 | 2200 | — | 1800 1400 |
| Cinders or slag concrete, | 1000 | 875 | 750 | 675 | 625 — |

In all computations allowable stresses shall be used, based, as hereinafter specified, upon assumed ultimate strengths as given above, and no concrete shall be used which, when made under laboratory conditions into test cylinders eight inches diameter and sixteen inches long and tested in compression at an age of twenty-eight days, does not show a strength at least equal to that given in the table.

Concrete one year old shall be considered to have a compressive strength twenty-five per cent. greater than that given in the table for concrete of the same grade and proportions.

When compression is applied to a portion of a concrete surface, of which the area is at least twice that to which the load is applied, a stress of thirty-five per cent. of the compressive strength fixed by this ordinance shall be allowed.

For concentric compression on columns with longitudinal reinforcement only, twenty-two and five-tenths per cent. of the compressive strength fixed by this ordinance shall be allowed.

For concentric compression on columns, the length of which does not exceed ten diameters of the core, with longitudinal reinforcement combined with hoops or spirals, thirty-five per cent. of the compressive strength fixed by this ordinance shall be allowed.

Compression on extreme fiber in bending shall not exceed thirty-two and five-tenths per cent. of the compressive strength fixed by this ordinance provided, however, that adjacent to the supports of continuous beams or slabs thirty-seven and five-tenths per cent. may be used.

In calculation of beams in which the maximum shearing stress in a section is used as the means of measuring the resistance to

diagonal tension stress, the vertical shearing unit stress as com-

v

puted by the formula $v = \frac{V}{bjd}$ where v is the shearing unit stress,

v is the total shear, b is the breadth of the beam, and jd is the arm of the resisting couple, shall not exceed the following percentages of the respective compressive strengths fixed by this ordinance.

For beams with horizontal bars only, and without web reinforcement, two per cent.

For beams with web reinforcement, consisting of vertical stirrups looped about the longitudinal reinforcing bars in the tension side of the beam, suitably anchored in the compression side and spaced horizontally not more than one-half the depth of the beam; or for beams in which longitudinal bars are bent up at an angle of not more than forty-five degrees, nor less than twenty degrees, with the axis of the beam and the points of bending are spaced horizontally not more than three-fourths of the depth of the beam apart, or both, the web reinforcement being designed, in each case, to carry two-thirds of the total shear, six per cent.

Punching shear shall not exceed six per cent. of the compressive strength fixed by this ordinance.

The bond stress between concrete and steel bars shall not exceed four per cent., except that the bond between concrete and approved deformed steel bars shall not exceed five per cent., and between concrete and drawn wire shall not exceed three per cent., of the compressive strength fixed by this ordinance.

The tensile or compressive stress in steel shall not exceed sixteen thousand pounds per square inch in rods, and twenty thousand pounds per square inch in drawn wire and other approved cold stretched fabric, except that in slabs of stone concrete the tensile stress in rods shall not exceed eighteen thousand pounds per square inch, and in drawn wire and other approved cold stretched fabric it shall not exceed twenty-two thousand five hundred pounds per square inch.

The modulus of elasticity of concrete shall be taken as

1-30 that of steel for cinder concrete with a compressive strength of 1,000 pounds per square inch or less.

1-15 that of steel for stone concrete with a compressive strength of 2,200 pounds per square inch, or less.

1-12 that of steel for concrete with a compressive strength greater than 2,200 pounds per square inch, but less than 2,900 pounds per square inch.

1-10 that of steel for concrete with a compressive strength of 2,900 pounds per square inch or more, the compressive strength referred to in all three cases being that fixed by this ordinance.

Symmetrical, concentric column footings shall be designed for punching shear, diagonal tension and bending moment.

The area effective to resist punching shear in column footings shall be considered as the area having a width equal to the perimeter of the column or pier, and a depth equal to seven-eighths the depth of footing from top to center of reinforcing steel.

Shearing stresses as indicative of diagonal tension shall be measured in footings on vertical sections distant from the face of the pier or column equal to the depth of the footing from top to center of reinforcing steel.

The bending moment in rectangular isolated column footings at a section taken at the edge of pier or column shall be determined by multiplying the load on the cantilever projection by three-eighths the distance from the edge of pier or column to the edge of footing. The section of maximum moment in a footing supporting a round column or pier shall be taken one-eighth the radius from the tangent toward the center. The effective area of concrete and steel to resist bending moment shall be considered as that within a width extending both sides of pier or column a distance equal to depth of footing plus one-half the remaining distance to edge of footing, except that reinforcing steel crossing the section other than at right angles shall be considered to have an effective area determined by multiplying the sectional area by the sine of the angle between the bar and the plane of the section. The bond stress in the steel shall not exceed that allowed by this ordinance.

Floor slabs supported upon columns without beams or girders and extending two or more bays in each direction shall conform to the following requirements:

Columns may be provided with enlarged capitals. The horizontal width of capitals shall be taken where the vertical thickness is at least one and one-half inches, and the contour of capitals shall not fall within that of an inverted cone or pyramid whose apex is on the center line of the column, whose sides incline at forty-five

degrees with the vertical, and whose base lies in a plane one and one-half inches below the underside of the dropped panel, and if no dropped panel is used, below the underside of the slab, and has the same size and shape in plan as the capital. The width of capital in any direction shall not be less than one-fifth the distance, center to center, of columns in that direction, and shall be such that the allowable unit stresses elsewhere specified in this ordinance shall not be exceeded.

A thickening of the slab on the underside in the vicinity of the columns is termed a dropped panel. The width of the dropped panel in any direction shall be not less than 3-2 that of the column capital. The depth of the dropped panel below the bottom of the slab shall be not more than half the slab thickness, but shall be such that the allowable unit stresses shall not be exceeded either in shear about the column capital or in bending. The allowable unit shear to be used shall be that specified for punching shear elsewhere in this ordinance. The allowable compression in bending shall be that specified for extreme fibers adjacent to support in continuous beams.

In flat slab construction, the minimum thickness of slab shall not be less than 1-40 in the case of roofs, or 1-32 in the case of floors, of the distance from center to center of the columns in the longer direction. The thickness shall be such as to withstand the shear about the column capital or dropped panel without exceeding the allowable stress herein specified for punching shear.

For the purpose of determining the bending in flat slab floors, the slab shall be considered as divided by lines parallel to the lines of columns into strips whose width is one-half the distance, L , center to center of columns measured at right angles to the span of strips. The center line of alternate strips shall coincide with the center line of the columns. These shall be known as A-strips. The other strips located midway between columns shall be known as B-strips. The span length of the strips shall be taken as the distance center to center of columns, less two-thirds the width of the column capital measured in the direction of the span.

Provision shall be made in the A and B strips comprising any panel width for the whole bending moment specified, and the proportion of the whole provided for within each strip shall not be less than that given in the following table:

| | Per Cent. | | |
|--|-----------|---------|--------------|
| | A-Strip | B-Strip | Either Strip |
| Positive moment, dropped panel | 60 | 25 | 15 |
| Positive moment, no dropped panel . . . | 55 | 25 | 20 |
| Negative moment, no dropped panel . . | 80 | 15 | 5 |
| Negative moment, no dropped panel . . | 65 | 20 | 15 |

Interior Bays.—If

$$l = \text{span as given} = L - 2 - \text{:-} 3c.$$

where c = diameter of column capital

w = total load per square foot,

whether the panels be square or oblong, and in whichever direction the span be taken, the bending moments at the critical portions of interior bays shall be assumed as follows:

POSITIVE BENDING:—The positive bending moment for a whole panel width shall be taken as

$$M = \frac{WLl^2}{25}$$

NEGATIVE BENDING:—The negative bending moment for a panel width shall be taken as

$$M = \frac{WLl^2}{15}$$

WALL BAYS; RESTRAINT:—For wall bays when the wall is of reinforced concrete (l is the distance from the inside face of the exterior column to the center of the interior column, less one-third the width of the interior column capital) the bending moment for strips running perpendicular to the wall shall be as follows:

POSITIVE BENDING:—The positive bending moment for a panel width shall be taken as

$$M = \frac{WLl^2}{20}$$

NEGATIVE BENDING:—The negative moment for a panel width at the interior line of columns shall be taken as

$$M = \frac{WLl^2}{12.5}$$

The negative bending moment for a panel width at the wall shall in general be taken as

$$M = \frac{WLl^2}{30}$$

This may be increased, according to degree of restraint, up to

$$M = \frac{WLl^2}{15}$$

for complete restraint; provided, however, in case the coefficient for negative bending at the wall is increased, the other two bending moment coefficients may be correspondingly decreased.

WALL BAYS; NO RESTRAINT:—For wall bays supported on one edge upon brick walls or other construction incapable of providing adequate restraint in negative bending, l is distance from inner face of wall to center of interior column, less one-third the width of the interior column capital.

POSITIVE BENDING:—The positive bending for a panel width shall be taken as

$$M = \frac{WLl^2}{16}$$

NEGATIVE BENDING:—The negative bending moment for a panel width at the interior column line shall be taken as

$$M = \frac{WLl^2}{10}$$

Negative bending along such walls shall be provided for by reinforcement in the top of the slab at right angles with the wall equal to four-tenths per cent. in floors and to two-tenths per cent. in roofs of the area of cross section of the slab.

Bays discontinuous upon one or two adjacent sides shall be treated as wall bays.

When a flat slab is supported by a beam or wall on one or two sides, the half strip parallel with and adjacent to the beam or wall may be reinforced as half a B-strip.

The bending in exterior concrete columns supporting flat slab floors shall in general be taken as

$$\frac{wL^2}{30} + \frac{Wh}{4}$$

or more up to

$$\frac{wL^2}{15} + \frac{Wh}{4}$$

in case of complete restraint, where W is the total load on the wall panel and h is the thickness of the exterior column.

For floors, half this bending shall be assumed as acting below and half above the slab; for roofs, the whole bending acts below the slab.

Brackets or haunches shall be provided on exterior columns when necessary to transmit the shear and bending from the slab to the column.

The least dimension of interior concrete columns supporting flat slabs shall not be less than one-fifteenth the span, center to center of columns in the longer direction.

Reinforcement shall be provided at the critical sections of all strips in sufficient quantity to withstand the bending herein specified without exceeding the allowable unit stresses elsewhere specified in this ordinance. Reinforcements lying obliquely to the axis of any strip shall be counted as having an area effective for that strip equal to its actual area of cross-section multiplied by the cosine of the angle it makes with the axis of the strip.

No reinforcing for positive bending shall be bent up to the top of the slab further from the center line of the column than one-fourth L where L is the distance center to center of columns in the direction of the reinforcing. Positive reinforcement in A-strips shall be provided to within 0.15 L of the center line of interior columns and extending to the inside face of wall columns; in B-strips shall be provided extending to within 0.10 L of the interior column line and to the inside face of wall support. Negative reinforcement in A-strips shall extend beyond the center line of the columns half the width of the column capital plus enough to develop the strength of the rods; at least one-quarter of the negative reinforcement shall extend six inches beyond the quarter point of the

panel or the fifth point of the span length. Negative reinforcement in B-strips shall extend forty diameters beyond the center line of column, and at least half thereof shall extend to the quarter point of the panel.

For determining the stress in concrete due to the bending in each strip, the width shall be taken as the width of the strip except that for negative bending in A-strips when a dropped panel is used, the width shall be that of the dropped panel.

Wall beams in flat slab construction shall be assumed to carry a width of floor equal to one-quarter the clear span of the beam in addition to the weight of beam and wall. Such beams, when continuous, shall be designed for a negative bending at columns equal to

$$\frac{wl^2}{12}$$

and the positive bending at mid-span shall be assumed as follows:

- (a) When the width of the columns (parallel to the beam) is not less than fifteen per cent. of the distance, center to center of columns, or twice the depth of the beam.

$$M = \frac{wl^2}{20}$$

- (b) Otherwise,

$$M = \frac{wl^2}{16}$$

In case a flat slab is supported by a brick wall, the wall shall in general be four inches thicker than the minimum thickness otherwise required by this ordinance; or have equivalent pilasters.

Approved July 10, 1920.

AN ORDINANCE ESTABLISHING A PUBLIC MARKET FOR THE SALE OF FARM PRODUCTS AND PROVIDING A PENALTY FOR VIOLATION.

Be it ordained by the City Council of the City of Cambridge as follows:

Section 1. Central Square, Porter Station, Brattle Square and Cambridge Field are designated as Retail Public Markets to be under the control of the Special Committee on Public Markets of

the City of Cambridge. This Committee shall appoint a market master, namely, superintendent, and make all other arrangements for the operation and management of the markets subject to existing laws.

Section 2. Tuesday and Saturday of each week shall be market days. The markets shall open at 6.00 a. m. and close at 10.30 p. m.

Section 3. The market master shall have police power and it shall be his duty to superintend the markets and report to the Committee in charge any necessary alterations or improvements. He shall be in attendance and preserve order on market days. He shall see that no imposition is practised by buyers or sellers. He shall arrange stands and spaces. He shall remove all obstructions and nuisances from the markets and shall assign the situation for the sale of all produce. He shall see that the provisions of this ordinance and any other passed in regard to the markets be complied with and all violations prosecuted.

Section 4. The markets shall be occupied only by producers who offer for sale articles of their own production or of someone in the employ of such producers. No selling by hawkers, peddlers or commission men shall be allowed except as may be granted permission by the market master.

Section 5. Tables, stands or spaces shall be rented each market day under the direction of the market master and no table, stand or space shall be reserved after opening hour.

Section 6. All articles sold by weight shall be sold according to Massachusetts standard and all scales must be sealed by the Sealer of Weights and Measures.

Section 7. It shall be unlawful for any person to sell or offer or have in his possession any unwholesome, damaged or spoiled produce or food of any kind in the markets.

Section 8. It shall be unlawful for any person occupying space in the market to attract attention by loud calling or hawking.

Section 9. Any dispute between buyer and seller occurring at the market place shall be adjusted by the market master whose decision shall be final.

Section 10. It shall be unlawful for any person occupying space in the market to permit any refuse to accumulate on or near his stand or space and the space must be thoroughly cleaned at the end of each market day and left in neat condition.

Section 11. No arrangement or combination as to prices shall be made by persons selling in the markets and the market master shall have the authority to stop such proceedings if necessary.

Section 12. A fee of One Dollar shall be charged for each stand or space on each market day and this fee is subject to change at the direction of the Committee, one week's notice having been posted in the market.

Section 13. The city shall assume no responsibility whatsoever for the quality or prices of goods for sale or for any accident occurring in the market grounds.

Section 14. This ordinance shall be issued in printed form as a license to each renter of space or stand in the market and shall contain the name and address of the renter and the acceptance by anyone of space or stand in the market shall be deemed assent to the provisions of this ordinance.

Section 15. This ordinance shall also apply to hawkers, peddlers and commission men.

Section 16. Any person violating any of the provisions of this ordinance shall be fined upon conviction a sum not less than Ten (10) Dollars or more than Fifty (50) Dollars and shall thereafter be refused space in the market.

Section 17. Farmers or Producers shall be segregated from Commission Merchants and Hawkers at any of the Public Markets.

Section 18. This ordinance shall be in force upon its adoption.

Presented to His Honor, the Mayor, for approval on July 12, 1920, and not being returned by him with his approval or disapproval therein in writing, now in force.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE GOVERNING THE
CONSTRUCTION, ALTERATION, REMOVAL, EQUIPMENT,
ETC., OF BUILDINGS.

Be it ordained by the City Council of the City of Cambridge as follows:

Division 5, Section 17 of the Building Ordinances is hereby amended in the fifth line by striking out the numeral "80" and inserting in place thereof the numeral "100."

Approved July 16, 1920.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "DUTIES
AND SALARIES."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 30, Chapter 28 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended in the line relating to the salary of the Sealer of Weights and Measures by striking out the figures \$2100 and inserting in place thereof the figures \$2300.

As amended the line will read as follows:

Sealer of Weights and Measures\$2,300

Approved December 17, 1920.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "DUTIES
AND SALARIES."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 30, Chapter 28 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended in the line relating to the salaries of the Registrars of Voters by striking out the figures \$750 and inserting in place thereof the figures \$1,000.

As amended the line will read as follows:

Registrars of Voters, each\$1,000

Approved December 23, 1920.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "DUTIES
AND SALARIES."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 30, Chapter 28, of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended in the line relating to the salary of the City Electrician by striking out the figures of \$2,800 and inserting in place thereof the figures \$3,000.

As amended the line will read as follows:—

City Electrician\$3,000

Approved December 31, 1920.

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "DUTIES
AND SALARIES."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 30, Chapter 28 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended in the line relating to the salary of the City Physician by striking out the figures \$2,000 and inserting in place thereof the figures \$2,300.

As amended the line will read as follows:

City Physician\$2,300

Approved December 31, 1920.

MAYORS OF THE CITY OF CAMBRIDGE

(From 1846 to 1921 inclusive)

| | | | | |
|------------------------|-------|-----------|----------------------------|------|
| James D. Green | ..... | From May, | 1846, to April, | 1848 |
| Sydney Willard | ..... | “ | April, 1848, to April, | 1851 |
| George Stevens | ..... | “ | April, 1851, to April, | 1853 |
| James D. Green | ..... | “ | April, 1853, to April, | 1854 |
| *Abraham Edwards | ..... | “ | April, 1854, to January, | 1855 |
| Zebina L. Raymond | ..... | “ | January, 1855, to January, | 1856 |
| John Sargent | ..... | “ | January, 1856, to January, | 1860 |
| †James D. Green | ..... | “ | January, 1860, to July 24, | 1861 |
| §Charles Theo. Russell | .... | “ | July 31, 1861, to January, | 1863 |
| George C. Richardson | ..... | “ | January, 1863, to January, | 1864 |
| Zebina L. Raymond | ..... | “ | January, 1864, to January, | 1865 |
| J. Warren Merrill | ..... | “ | January, 1865, to January, | 1867 |
| Ezra Pamenter | ..... | “ | January, 1867, to January, | 1868 |
| Charles H. Saunders | ..... | “ | January, 1868, to January, | 1870 |
| Hamlin R. Harding | ..... | “ | January, 1870, to January, | 1872 |
| Henry O. Houghton | ..... | “ | January, 1872, to January, | 1873 |
| Isaac Bradford | ..... | “ | January, 1872, to January, | 1877 |
| Frank A. Allen | ..... | “ | January, 1877, to January, | 1878 |
| Samuel L. Montague | ..... | “ | January, 1878, to January, | 1880 |
| James M. W. Hall | ..... | “ | January, 1880, to January, | 1881 |
| James A. Fox | ..... | “ | January, 1881, to January, | 1885 |
| William E. Russell | ..... | “ | January, 1885, to January, | 1889 |
| Henry H. Gilmore | ..... | “ | January, 1889, to January, | 1891 |
| Alpheus B. Alger | ..... | “ | January, 1891, to January, | 1893 |
| William A. Bancroft | ..... | “ | January, 1893, to January, | 1897 |
| Alvin F. Sortwell | ..... | “ | January, 1897, to January, | 1899 |
| Edgar R. Champlin | ..... | “ | January, 1899, to January, | 1901 |
| David T. Dickinson | ..... | “ | January, 1901, to January, | 1902 |
| John H. H. McNamee | ..... | “ | January, 1902, to January, | 1904 |
| Augustine J. Daly | ..... | “ | January, 1904, to January, | 1906 |
| Charles H. Thurston | ..... | “ | January, 1906, to January, | 1907 |
| *Walter C. Wardwell | ..... | “ | January, 1907, to April, | 1909 |
| William F. Brooks | ..... | “ | April, 1909, to April, | 1911 |
| J. Edward Barry | ..... | “ | April, 1911, to April, | 1914 |
| Timothy W. Good | ..... | “ | April, 1914, to Dec., | 1915 |
| Wendell D. Rockwood | .... | “ | January, 1916, to January, | 1918 |
| Edward W. Quinn | ..... | “ | January, 1918, to | |

*Municipal year changed. †Resigned. §First elected by the City Council.

PRESIDENTS OF THE BOARD OF ALDERMEN

| | | | |
|------|---------------------|------|-------------------|
| 1888 | Edward W. Hincks | 1903 | *John W. Coveney |
| 1889 | John H. Corcoran | 1903 | Timothy W. Good |
| 1890 | Alvin F. Sortwell | 1904 | John W. Coveney |
| 1891 | William A. Bancroft | 1905 | J. Edward Barry |
| 1892 | William A. Bancroft | 1906 | Charles H. Lake |
| 1893 | John F. Fairbain | 1907 | Charles H. Lake |
| 1894 | John G. Thorogood | 1908 | Edward B. James |
| 1893 | John R. Fairbairn | 1909 | Edward B. James |
| 1896 | John R. Fairbairn | 1910 | Edward B. James |
| 1897 | Russell Bradford | 1911 | James T. Barrett |
| 1898 | Russell Bradford | 1912 | James T. Barrett |
| 1899 | Walter C. Wardwell | 1913 | Peter J. Nelligan |
| 1900 | Walter C. Wardwell | 1914 | Peter J. Nelligan |
| 1901 | George E. Saunders | 1915 | Peter J. Nelligan |
| 1902 | James F. Aylward | | |

*John W. Coveney resigned March 10, 1903, and Timothy W. Good elected to the vacancy.

PRESIDENTS OF CITY COUNCIL

| | |
|------|------------------|
| 1916 | Edward J. Dunphy |
| 1917 | Edward J. Dunphy |
| 1918 | Dr. John P. Good |
| 1919 | James T. Barrett |
| 1920 | James T. Barrett |
| 1921 | James T. Barrett |

PRESIDENTS OF THE COMMON COUNCIL

| | | | |
|------|--------------------------|------|-------------------------|
| 1846 | *Isaac Livermore | 1871 | *Joseph H. Converse |
| 1847 | *John Sargent | 1872 | *Alvaro Blodgett |
| 1848 | *John C. Dodge | 1873 | *Alvaro Blodgett |
| 1849 | *Samuel P. Heywood | | Resigned June 17 |
| 1850 | *Samuel P. Heywood | 1873 | Francis H. Whitman |
| 1851 | *John S. Ladd | | Elected June 17 |
| 1852 | *John Sargent | 1874 | George F. Piper |
| 1853 | *John Sargent | 1875 | George F. Piper |
| 1854 | *John C. Dodge | 1876 | Frank A. Allen |
| 1855 | *Alanson Bigelow | 1877 | *Perez G. Porter |
| 1856 | *Ezra Ripley. Resigned | 1878 | *George S. Saunders |
| | January 31 | 1879 | *George S. Saunders |
| 1856 | *George S. Saunders | 1880 | *Charles Walker |
| | Elected January 31 | 1881 | *Charles Walker |
| 1857 | *George S. Saunders | 1882 | George H. Howard |
| 1858 | *James C. Fisk | 1883 | George H. Howard |
| 1859 | *James C. Fisk | 1884 | George H. Howard |
| 1860 | *Hamlin R. Harding | 1885 | Cornelius G. H. Bennink |
| 1861 | *Hamlin R. Harding | 1886 | John H. Corcoran |
| 1862 | *Jared Shepard. Resigned | 1887 | John H. Corcoran |
| | September 17 | 1888 | *Alvin F. Sortwell |
| 1862 | *Knowlton S. Chaffee | 1889 | *Edward A. Bingham |
| | Elected September 24 | 1890 | *Edward A. Bingham |
| 1863 | *George S. Saunders | 1891 | Edward C. Wheeler |
| 1864 | *George S. Saunders | 1892 | Herbert A. Chase |
| 1865 | *John S. March | 1893 | J. Henry Russell |
| 1866 | *John S. March | 1894 | Charles M. Conant |
| 1867 | *Marshall T. Bigelow | 1895 | *John L. Odiorne |
| 1868 | *Knowlton S. Chaffee | 1896 | *John L. Odiorne |
| | Resigned February 4 | 1897 | Albert S. Apsey |
| 1868 | *Henry W. Muzzey | 1898 | George S. Saunders |
| | Elected February 4 | 1899 | William F. Brooks |
| 1869 | *Henry W. Muzzey | 1900 | John D. Merrill |
| 1870 | *Joseph H. Converse | 1901 | John D. Merrill |

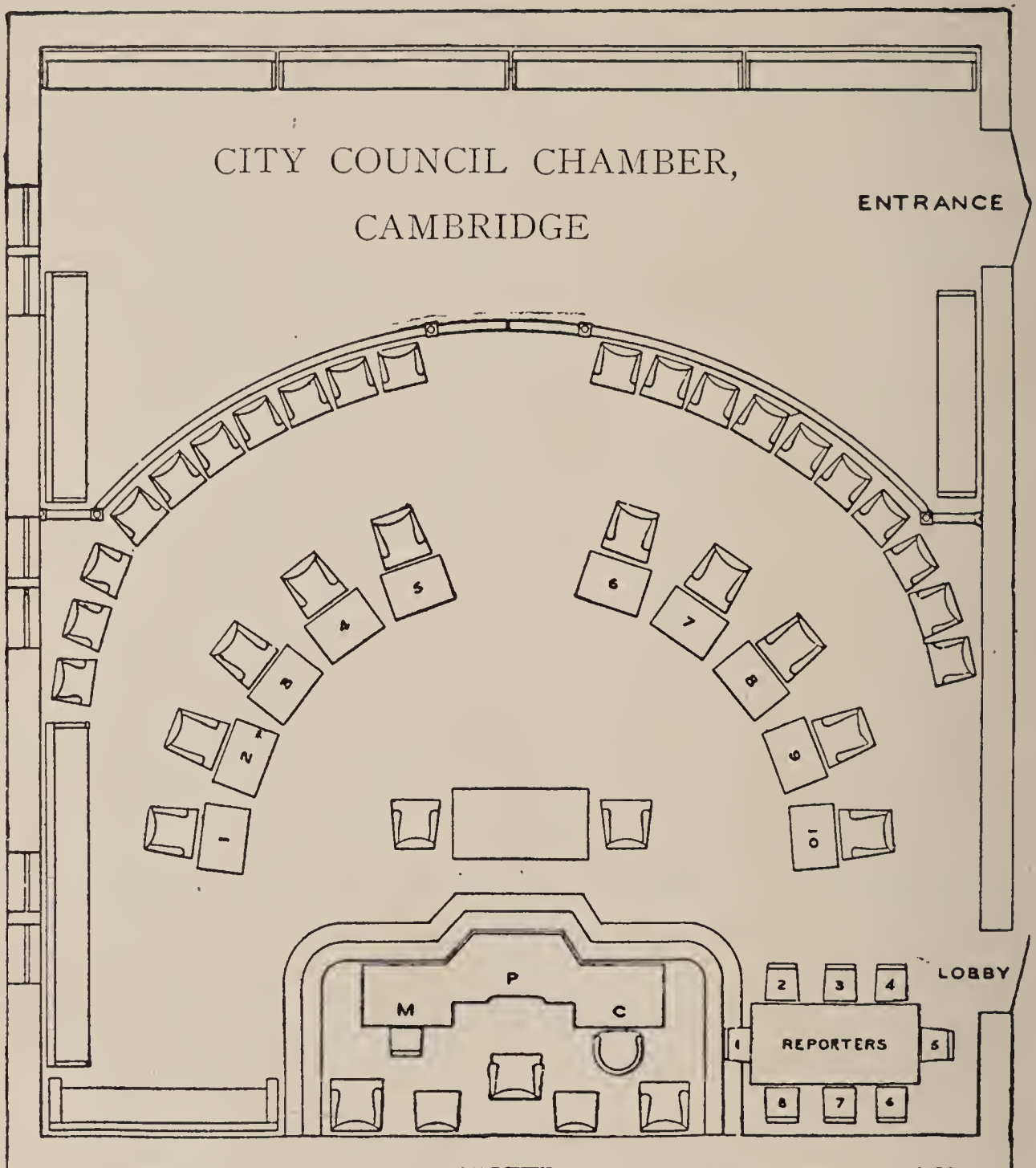
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|------|---------------------|------|--------------------|
| 1902 | *Thorndike Spalding | 1909 | Jesse W. Moreland |
| 1903 | Edward E. Clark | 1910 | Irving N. Linnell |
| 1904 | Harry N. Stearns | 1911 | Frederick H. Burke |
| 1905 | George A. Giles | 1912 | Timothy J. Horan |
| 1906 | George A. Giles | 1913 | John H. Lynch |
| 1907 | *Henry C. Stetson | 1914 | Frank J. Lehan |
| 1907 | *†Robert W. Hunter | 1915 | Arthur S. Browne |
| 1908 | Henry J. Winslow | | |

*Deceased.

†Elected to fill vacancy.

LEGAL HOLIDAYS

New Year's Day, January 1. Washington's Birthday, February 22. Patriots' Day, April 19. Memorial Day, May 30. Independence Day, July 4. Labor Day, September 6. Columbus Day, October 12. Thanksgiving Day, November 25. Christmas Day, December 25.



KEY TO CITY COUNCIL CHAMBER

Cambridge, 1921

P—JAMES T. BARRETT, President

- | | |
|----------------------|---------------------|
| 1. Councillor Mahler | 8. Councillor Lehan |
| 2. " Leahy | 9. " Good |
| 3. " Wright | 10. " Brown |
| 4. " Anderson | 11. " Drinkwater |
| 5. " Shea | 12. " Skilton |
| 6. " Coady | 13. " McCarthy |
| 7. " Hogan | 14. " Bradbury |

Reporters

- | | |
|--|--|
| 1. James W. Bean, Boston Globe and Cambridge Chronicle | 4. J. Lee Robinson, Cambridge Tribune. |
| 2. Harry J. Mahoney, Cambridge Sentinel. | 5. Ralph R. Stratton, Boston Herald. |
| 3. Edward J. Sennott, Cambridge Recorder. | 6. Joseph D. Harrington, Boston Post. |

CITY GOVERNMENT

Mayor

EDWARD W. QUINN

105 Fresh Pond Parkway

Councillors

President

JAMES T. BARRETT

| | | | |
|--------------------|-----|-------------------|----------|
| Hugh G. Anderson | 79 | Trowbridge Street | At Large |
| James T. Barrett | 97 | Otis Street | At Large |
| Harold M. Bradbury | 32 | Rockingham Street | Ward 6 |
| Roland E. Brown | 10 | Centre Street | Ward 5 |
| Francis D. Coady | 464 | Windsor Street | Ward 3 |
| Arthur Drinkwater | 50 | Buckingham Street | Ward 9 |
| John P. Good | 106 | Oxford Street | At Large |
| William M. Hogan | 106 | Fifth Street | Ward 2 |
| Daniel P. Leahy | 11 | Montgomery Street | Ward 11 |
| Frank J. Lehan | 57 | Otis Street | Ward 1 |
| James E. Mahler | 184 | Harvard Street | Ward 4 |
| John J. McCarthy | 31 | Putnam Avenue | At Large |
| Charles H. Shea | 65 | Putnam Avenue | Ward 8 |
| Horace A. Skilton | 61 | Garfield Street | Ward 10 |
| Franklin H. Wright | 40 | Magee Street | Ward 7 |

Officers of the City Council

City Clerk

FREDERICK H. BURKE

Clerk of Committees

DANIEL J. TOOMEY

City Messenger

A. FRANK MONTGOMERY

Regular meetings on Tuesday evenings, at eight (8) o'clock.

STANDING COMMITTEES OF THE CITY COUNCIL

Bonds. Councillors Leahy, Drinkwater, Wright.

City Engineering. Councillors Lehan, Anderson, Leahy.

City Planning. Councillors Shea, Anderson, Brown, Leahy, Drinkwater.

Claims. Councillors McCarthy, Anderson, Hogan, Coady, Drinkwater.

Elections and Printing. Councillors Brown, Wright, Good, Leahy, Skilton.

Finance. President Barrett, Councillors Lehan, Hogan, Bradbury, Anderson, Coady, Shea, Mahler, Skilton.

Health. Councillors Good, Wright, Skilton.

Legislative Matters. Councillors Good, Bradbury, Skilton, Wright, Leahy.

Licenses. Councillors Bradbury, Skilton, Leahy, Mahler, Wright.

Ordinances. Councillors Lehan, Anderson, Hogan, Coady, Bradbury, Shea, Skilton.

Parks and Cemeteries. Councillors Anderson, Shea, Coady, Good, Wright.

Public Property and Public Institutions. Councillors Hogan, McCarthy, Lehan, Coady, Skilton.

Public Safety. Councillors Shea, Hogan, Leahy, Drinkwater, Skilton.

Public Service. Councillors Bradbury, Anderson, Mahler, Wright, Brown.

Roads and Bridges. Councillors Hogan, Bradbury, McCarthy, Anderson, Coady, Mahler, Leahy.

Rules and Orders. Councillors Wright, Brown, Good, Drinkwater, Skilton.

Soldiers' Aid. Councillors Drinkwater, McCarthy, Good, Mahler, Wright.

Water Supply. Councillors McCarthy, Anderson, Coady, Mahler, Skilton.

Wires and Lamps. Councillors Coady, McCarthy, Anderson, Hogan, Mahler.

SPECIAL COMMITTEES

On Matters Referred from last City Council. Councillors Coady, Drinkwater and Shea.

On Topics in Mayor's Inaugural Address. Councillors Shea, Leahy and Brown.

On Observance of Geth Anniversary of Cambridge. His Honor, the Mayor and the City Council.

On Abolition of Grade Crossings. Councillors Lehan, Anderson and Hogan.

On Americanization. Councillors Lehan, Shea and Mahler.

On Memorial to Deceased Soldiers and Sailors. Councillors Lehan, Mahler, Anderson, Shea and Coady.

On Regulating Attendance of School Children at Amusements. Councillors Shea, Good and Bradbury.

On Resolutions on Death of Henry A. Doherty. Councillors Shea, Skilton and Good.

On Public Markets. Councillors Lehan, Bradbury, and Drinkwater.

On Operation of Motor Vehicles. Councillors Brown, Shea, and Drinkwater.

Sub-Committee on Finance. Councillors Barrett, Anderson, and Mahler.

On Independence Day. Councillors Hogan, Mahler, Anderson, Leahy and Wright.

On Exemption from Taxation of New Houses. Councillors Brown, McCarthy, Anderson, Lehan and Bradbury.

On Telephone Conditions in the City of Cambridge. Councillors Mahler, Drinkwater, Shea, Wright and Coady.

On Investigation of Cambridge Electric Light Co. Councillors Hogan, Lehan, Skilton, Drinkwater and Coady.

DEPARTMENTS AND BOARDS

City Hall Telephone, 6800 University

EXECUTIVE DEPARTMENT

EDWARD W. QUINN, *Mayor*.

EDWARD A. COUNIHAN, *Mayor's Clerk*

Office Hours: 8 a. m. to 4 p. m.

Office, Rooms 17 and 18, City Hall

CITY CLERK DEPARTMENT

FREDERICK H. BURKE, *City Clerk*.

THOMAS J. CONRICK, *Assistant City Clerk*

Office Hours: 8 a. m. to 4 p. m.

Office, Rooms 3 and 4, City Hall

TREASURY DEPARTMENT

HENRY F. LEHAN, *City Treasurer and Collector of Taxes*

Office Hours: 8 a. m. to 2 p. m.

Office, Rooms 3 and 4, City Hall

AUDITING DEPARTMENT

CHARLES H. THURSTON, *City Auditor*

Office Hours: 8 a. m. to 4 p. m.

Office, Rooms 1 and 2, City Hall.

CLERK OF COMMITTEES DEPARTMENT

DANIEL J. TOOMEY, *Clerk of Committees*

ALBERT T. DOYLE, *Assistant*

Office Hours: 8 a. m. to 4 p. m.

Office, Room 16, City Hall

CITY MESSENGER DEPARTMENT

A. FRANK MONTGOMERY, *City Messenger*HENRY P. CONROY, *Assistant*

Office Hours: 8 a. m. to 4 p. m.

Office, Room 20, City Hall

LAW DEPARTMENT

PETER J. NELLIGAN, *City Solicitor*

Office Hours (at City Hall): 8 a. m. to 12 m.

Office, Room 17, City Hall

Boston Office, 747 Tremont Building Telephone 2260, Haymarket

ENGINEERING DEPARTMENT

LEWIS M. HASTINGS, *City Engineer*THOMAS P. O'NEILL, *Superintendent of Sewers*

Office, Rooms 30 and 31, City Hall

BUILDING DEPARTMENT

JEREMIAH F. DOWNEY, *Superintendent of Public Buildings and
Inspector of Buildings*WILLIAM D. COLLINS }
WILLIAM J. O'CONNOR } *Building Inspectors*WILLIAM A. FORD, *Inspector of Plumbing*WILLIAM J. STANGER, *Inspector of Gas Fitting*DANIEL F. OWENS, *Inspector of Elevators*

Office Hours: 8 a. m. to 4 p. m.

Office, Room 28, City Hall

STREET DEPARTMENT

EDWARD J. DUNPHY, *Superintendent of Streets*JOHN H. HOLT, *Clerk*

Office Hours: 8 a. m. to 4 p. m.

Office, Room 12, City Hall

BOARD OF HEALTH

| | |
|--|-----------------------------------|
| ELIE H. LA PIERRE, <i>Chairman</i> | Term, three years |
| JEREMIAH S. SULLIVAN | Term expired 1918 |
| JOSEPH M. WADDEN, M. D. | Term expires 1922 |
| ELIE H. LA PIERRE | Term expires 1923 |
| SIMON B. KELLEHER, M. D., <i>Medical Inspector</i> | |
| JOHN D. CROWLEY, <i>Clerk</i> | AGNES M. WADDEN, <i>Secretary</i> |
| WALTER C. FEELEY, M. D., <i>Bacteriologist</i> | |
| WILLIAM A. NOONAN, M. D., <i>Inspector of Milk and Vinegar</i> | |
| JOSEPH L. JOHNSON, <i>Inspector of Provisions</i> | |

Office Hours: 8 a. m. to 4 p. m.

Rooms 25, 26 and 27, City Hall

POLICE DEPARTMENT

JOHN J. McBRIDE, *Chief*

Telephone 423

FIRE DEPARTMENT

JAMES M. CASEY, *Chief*

Telephone 109

ASSESSORS' DEPARTMENT

| | |
|---------------------------------|-------------------------------------|
| JAMES J. CASEY, <i>Chairman</i> | BERNARD F. FALLON, <i>Secretary</i> |
| Term, three years | |

| | |
|----------------|-------------------|
| JAMES J. CASEY | Term expires 1921 |
|----------------|-------------------|

| | |
|-------------------|-------------------|
| BERNARD F. FALLON | Term expires 1923 |
|-------------------|-------------------|

| | |
|-----------------|-------------------|
| JOHN C. HAVERTY | Term expires 1923 |
|-----------------|-------------------|

| |
|--|
| CARRIE A. ESTES, RUTH E. MCGUIGAN, LORETTA F. CROWE, <i>Clerks</i> |
|--|

Office Hours: 8 a. m. to 4 p. m.

Office, Rooms 21 and 22, City Hall

CITY ELECTRICAL DEPARTMENT

TIMOTHY C. O'HEARN, *City Electrician*

Office Hours: 8 a. m. to 4 p. m.

Office, Central Fire Alarm, Inman Square Building

Telephone 125

INSPECTOR OF ANIMALS DEPARTMENT

DAVID L. BOLGER, M. D. V., *Inspector of Animals*

Residence, 35 Ash Street

Telephone 3550

(No Office or Hours)

BRIDGE DEPARTMENT

FRANCIS J. SMITH, *Bridge Commissioner*

Office Hours: 8 a. m. to 4 p. m.

Office, Room 12, City Hall

SEALER OF WEIGHTS AND MEASURES DEPARTMENT

FELIX C. MCBRIDE, *Sealer*HUGH H. HEALEY, *Deputy Sealer and Inspector*EMERY T. MORRIS and JOSEPH O'NEIL, *Deputy Sealers*

Office Hours: Fridays, 8 a. m. to 4 p. m.

Saturdays, 8 a. m. to 12 m.

Office, Brattle Square Building

Telephone 509-W

CITY PHYSICIAN

WILLIAM G. BROUSSEAU

Residence, 2343 Massachusetts Avenue

Telephone 1285

Office, Central Square Building

Office Hours: Daily, 9 to 11 a. m.

Telephone 660

FENCE VIEWERS

LEWIS M. HASTINGS, City Hall

JEREMIAH F. DOWNEY, City Hall

CAMBRIDGE PLANNING BOARD

WILLIAM F. HARRIS, *Chairman*

| | | | | | | |
|-------------------|---|---|---|---|---|-------------------|
| JAMES J. HILL | . | . | . | . | . | Term expired 1919 |
| ROBERT E. MARTIN | . | . | . | . | . | Term expired 1920 |
| BENJAMIN ROSEMAN | . | . | . | . | . | Term expires 1921 |
| WALTER F. EARLE | . | . | . | . | . | Term expires 1922 |
| WILLIAM F. HARRIS | . | . | . | . | . | Term expires 1923 |

ARTHUR C. COMEY, *Consultant*

SCHOOL COMMITTEE

Mayor, EDWARD W. QUINN, *Chairman*CHARLES F. J. McCUE, *Vice-Chairman*

| | | |
|--|---|-------------------|
| CHARLES F. J. McCUE, 10 Prentiss Street | . | Term expires 1921 |
| DR. ARTHUR L. MILES, 12 Magazine Street | | Term expires 1921 |
| NORA J. DRISCOLL, 1200 Massachusetts Avenue | | Term expires 1921 |
| JAMES S. CASSEDY, 356 Harvard Street | . | Term expires 1921 |
| MRS. JESSIE W. BROOKS, 10 Linnaean Street | | Term expires 1923 |
| CHARLES F. HURLEY, 1218 Massachusetts Avenue | | Term expires 1923 |

MARIE F. WALSH, *Secretary**Business Agent*

CONSTANTINE J. CHURCH

Superintendent of Schools

MICHAEL E. FITZGERALD

Assistant Superintendent and Director of Continuation School

JAMES DUGAN

Office Hours: 8 a. m. to 4 p. m.

Office, Rooms 13, 14 and 15, City Hall

CEMETERY DEPARTMENT

Cemetery Commissioners

THOMAS E. WILLIAMS, *Chairman*

Term, Three Years

| | | | | | |
|----------------------|---|---|---|---|-------------------|
| JEREMIAH J. SULLIVAN | . | . | . | . | Term expires 1922 |
| TIMOTHY F. MCCARTHY | . | . | . | . | Term expires 1922 |
| THOMAS E. WILLIAMS | . | . | . | . | Term expires 1923 |

| | | | | | | |
|-----------------|---|---|---|---|---|-------------------|
| EBEN H. GOOGINS | . | . | . | . | . | Term expires 1923 |
| JOHN MCKENZIE | . | . | . | . | . | Term expires 1924 |
| GEORGE T. QUINN | . | . | . | . | . | Term expires 1924 |

Clerk of the Board

EDWARD F. SULLIVAN

Office, Room 23, City Hall

Superintendent of the Cemetery

THOMAS J. CAVANAGH

Clerk of the Cemetery

GREGORY L. GALLAGHER

Office Hours: at Cemetery, 8 a. m. to 5 p. m.

Office at Cemetery on Coolidge Avenue

Telephone 5

*Person to Cause to be Properly Interred the Bodies of Soldiers
and Sailors*

EDWARD F. SULLIVAN

Office, Room 23, City Hall

PUBLIC LIBRARY DEPARTMENT

*Trustees of Cambridge Public Library*JOHN A. BUTLER, *President*

For One Year

CHARLES F. J. McCUE of School Committee

Citizens at Large. Term, Three Years

| | | | | | | |
|-------------------------------------|---|---|---|---|---|-----------------------------------|
| NELLIE F. CROWLEY | . | . | . | . | . | Term expires 1920 |
| ROBERT E. YOUNG | . | . | . | . | . | Term expires 1921 |
| EDWARD P. COLLIER | . | . | . | . | . | Term expires 1921 |
| EDWARD REDSTONE | . | . | . | . | . | Term expires 1922 |
| ALBERT E. LYNCH | . | . | . | . | . | Term expires 1922 |
| JOHN A. BUTLER | . | . | . | . | . | Term expires 1923 |
| NELLIE F. CROWLEY, <i>Secretary</i> | | | | | | ALBERT E. LYNCH, <i>Treasurer</i> |

T. HARRISON CUMMINGS, *Librarian*

Library open: 9 a. m. to 9 p. m. Reading Room: 9 a. m. to 9 p. m.

Sunday, 2 to 9 p. m.

Office at Library Building, Broadway, Irving and
Trowbridge Streets

Telephone 610

CITY HOSPITAL DEPARTMENT

Trustees of Cambridge City Hospital

CHARLES S. CAHILL, *Chairman*

| | | | | | | |
|-------------------|---|---|---|---|---|-------------------|
| JOHN J. QUINLAN | . | . | . | . | . | Term expires 1921 |
| CHARLES S. CAHILL | . | . | . | . | . | Term expires 1922 |
| JOHN H. HURLEY | . | . | . | . | . | Term expires 1923 |
| ISAAC MCLEAN | . | . | . | . | . | Term expires 1924 |
| FRANK F. ROGERS | . | . | . | . | . | Term expires 1925 |

WATER WORKS DEPARTMENT

Cambridge Water Board

JAMES J. SCULLY, *President*

Term, Five Years

| | | | | | | |
|----------------------|---|---|---|---|---|-------------------|
| JOHN F. O'BRIEN | . | . | . | . | . | Term expired 1918 |
| JAMES J. SCULLY | . | . | . | . | . | Term expired 1920 |
| JOHN P. CONROY | . | . | . | . | . | Term expires 1921 |
| JOSEPH E. DOHERTY | . | . | . | . | . | Term expires 1924 |
| BERNARD E. McDERMOTT | . | . | . | . | . | Term expires 1925 |

WALTER H. HARDING, *Clerk of the Board*

TIMOTHY W. GOOD, *Superintendent of Water Works*

WALTER H. HARDING, *Water Registrar*

Office Hours: 8 a. m. to 4 p. m.

Office, Rooms 5 and 6, City Hall

REGISTRARS OF VOTERS

J. FRANK FACEY, *Chairman*

Term, Four Years

| | | | | | | |
|-----------------|---|---|---|---|---|-------------------|
| J. FRANK FACEY | . | . | . | . | . | Term expires 1922 |
| CHARLES J. WOOD | . | . | . | . | . | Term expires 1923 |

| | | | | | |
|-------------------|---|---|---|---|-------------------|
| JOHN P. McCORMICK | . | . | . | . | Term expires 1921 |
| HARRY A. PENNIMAN | . | . | . | . | Term expires 1925 |

CHARLES J. WOOD, *Clerk*

Office at Central Square Building

Telephone 1027

PARK DEPARTMENT

Park Commissioners

JOHN J. AHERN, *President*

Term, Five Years

| | | | | | |
|-----------------------|---|---|---|---|-------------------|
| STEPHEN H. HARRINGTON | . | . | . | . | Term expired 1920 |
| JOHN F. SULLIVAN | . | . | . | . | Term expires 1921 |
| CARROLL W. DOTEN | . | . | . | . | Term expires 1922 |
| JOHN J. AHERN | . | . | . | . | Term expires 1923 |
| ALLEN W. JACKSON | . | . | . | . | Term expires 1924 |

JOHN F. DONNELLY, *General Superintendent*

ROSE E. MANNING, *Secretary*

Office Hours: 8 a. m. to 4 p. m.

Office, Room 11, City Hall

SINKING FUND DEPARTMENT

Commissioners of the Sinking Fund

GEORGE G. WRIGHT, *Chairman*

Term, Three Years

| | | | | | |
|-------------------|---|---|---|---|-------------------|
| GEORGE G. WRIGHT | . | . | . | . | Term expires 1921 |
| GUSTAVUS GOEPPER | . | . | . | . | Term expires 1921 |
| DAIEL CRONIN | . | . | . | . | Term expires 1922 |
| FRANCIS J. CARNEY | . | . | . | . | Term expires 1922 |
| HERBERT M. BRIDEY | . | . | . | . | Term expires 1923 |
| ROBERT S. KNOWLES | . | . | . | . | Term expires 1923 |

WILLIAM J. HOPKINS, *Secretary*

HENRY F. LEHAN, *Treasurer*

OVERSEERS OF THE POOR DEPARTMENT

*Overseers of the Poor*JOHN R. MCCOOL, *Chairman*

Term, Five Years

| | | | | | |
|---------------------|---|---|---|---|-------------------|
| EDMUND A. WHITMAN | . | . | . | . | Term expires 1921 |
| LEOPOLD BARTEL | . | . | . | . | Term expires 1921 |
| BERNARD B. WELCH | . | . | . | . | Term expires 1922 |
| GEORGE D. COLGAN | . | . | . | . | Term expires 1922 |
| CHARLES J. WILLIAMS | . | . | . | . | Term expires 1923 |
| GEORGE P. O'BRIEN | . | . | . | . | Term expires 1924 |
| JOHN R. MCCOOL | . | . | . | . | Term expires 1925 |

JAMES E. FINNEGAN, *Secretary*JOHN T. SHEA, *Superintendent of City Home*

Office Hours, at Central Square Building, 8 a. m. to 4 p. m.

Telephones { City Home, 189
 { Office, 660

BOARD OF APPEAL

CLARENCE H. BLACKALL, *Chairman*

Term, Three Years

CLARENCE H. BLACKALL (Architect)

JOHN B. BYRNE (Master Builder)

HARRY N. STEARNS

BOARD OF LICENSE COMMISSIONERS

WILLIAM F. BROOKS, *Chairman*

Term expires 1922

JAMES M. CASEY, Chief of Fire Department

JOHN J. MCBRIDE, Chief of Police Department

CITY MISSIONARY

BERNARD J. BROGAN

AGENT FOR COMMITTEE ON SOLDIERS' AID

EDWARD F. SULLIVAN

WILLIAM F. BOYLE, JAMES T. COX, *Investigators*

Office Hours: 8 a. m. to 4 p. m.

Office, Room 23. City Hall

TRUSTEES OF THE DOWSE INSTITUTE

FRANCIS G. PEABODY, *President*EDWARD W. QUINN, Mayor, *ex-officio*JAMES T. BARRETT, President of City Council, *ex-officio*

GEORGE HOWLAND COX

JOSEPH H. BEALE, JR.

FRANCIS G. PEABODY

JOSEPH H. BEALE, JR., *Secretary-Treasurer*

TRUSTEES OF THE SANDERS TEMPERANCE FUND

EDWARD W. QUINN, Mayor

JAMES T. BARRETT, President of City Council

FREDERICK H. BURKE, City Clerk

Ex-officiis

TRUSTEES OF THE BRIDGE CHARITABLE FUND

EDWARD W. QUINN, Mayor

JAMES T. BARRETT, President of City Council

JOHN R. MCCOOL, Chairman of Overseers of Poor

Ex-officiis

CIVIL SERVICE—LABOR DIVISION

HARRY L. LINCOLN, Registration Clerk

Office Hour: 4 p. m. daily

Except Saturday

MEASURERS OF GRAIN

EMERY T. MORRIS

FELIX C. MCBRIDE

HUGH H. HEALEY

JOSEPH O'NEIL

SURVEYOR OF MECHANICS' WORK

CHARLES A. MASON

KEEPER OF LOCK-UPS

JOHN J. McBRIDE

CONSTABLES

(With power to serve civil process)

| | |
|----------------------|----------------------|
| John Abramawicz | Thomas E. Fitzgerald |
| Percy N. Bolster | J. Herbert Ellis |
| Charles S. Auteomaso | Albert Gertson |
| Charles A. Burns | Frank C. Levins |
| George F. Cazmay | Charles E. McCarthy |
| Gilmore B. Creelman | Frank E. Morris |
| George Curran | William O'Brien |
| William J. Dinan | Walter L. Potter |
| Frederick L. Donovan | William J. Robinson |
| Thomas D. Donovan | Pacy Welch |

(Without power to serve civil process)

| | |
|--------------------------|----------------------|
| John Allen | William J. Cogan |
| Charles R. Apted | John F. Connelly |
| Deming E. Badger | J. Joseph Corcoran |
| Robert M. Beck | Thomas F. Cosgrove |
| Patrick A. Berkeley. Jr. | Philip Diehl |
| Frank L. Bowie | Frank E. Donelan |
| William F. Boyle | William F. Donovan |
| James J. Brennan | Joseph Dube |
| Harold M. Bradbury | George Dunn |
| Moise Broussard | James E. Durnan |
| Charles Bunyon | Edward J. Ferris |
| Lucian S. Cabot | Eugene M. Flanagan |
| George L. Callahan | Mortimer F. Flanagan |
| Timothy A. Callahan | William L. Frye |
| Michael Cangiano | William J. Gramey |
| Michael Carney | George La Flamme |
| Patrick L. Carroll | Clarence M. Ledger |

William N. Letora
Charles A. Lincoln
James Mahady
Felix C. McBride
John J. McGowan
John J. McNamara
Augustus Melvin
Emery T. Morris
Frank E. Morris
Floyd B. Morse
Hugh G. Mullen
Timothy E. Murphy
John P. Nelligan
Thomas J. O'Connor
Joseph M. O'Neil
John F. Patton
William H. Porter
Joseph F. Quinn
Michael J. Flynn
James J. Foley
Anthony J. Foster
Walter Foster
William L. Frye
Albert E. Gaskill
Hiram Gillespie
James A. Gorman
William H. Gray
John B. Griffin
Timothy J. Hanley
James P. Harrington
Neil C. Head
Hugh H. Healey
Guy E. Henderson

Joseph L. Hooley
Thomas A. Hughes
Dennis F. Hurley
Timothy J. Hurley
Samuel Johnson
Hugh H. Keenan
John J. Kelleher
Mark J. Kelley
James R. Keough
Joseph J. Keough
Roy A. Rayner
Michael Regan
James D. Reddin
John J. Roach
John T. Shea
Timothy J. Shine
James H. Shuckrowe
Francis R. Skinner
Carl E. Stowe
John J. Sullivan
Daniel C. Sweeney
Alfred Q. Tirrell
Frank P. Tobin
James T. Twohig
Michael Twomey
John Tukey
Edward F. Wadden
Edward F. Walsh
William Ward
Dennis J. White
Stephen Whitlock
John Woodhouse
Andrew Wilson

PERSON TO RECEIVE INFORMATION OF DAMAGE BY DOGS

(*Ch. 102, Sect. 151, Revised Laws*)

JOHN J. McBRIDE

POUND KEEPERS

JAMES F. GRAY

JOHN J. TOOMEY

COMMITTEE FOR THE PRESERVATION OF FISH

THOMAS P. O'NEIL

INSPECTORS OF JUNK SHOPS

Pawnbrokers' Shops and Second-Hand Stores and Dealers

JOHN J. McBRIDE

HERBERT GORDON

JAMES E. MURRAY

PATRICK J. HURLEY

JAMES M. KEANEY

MICHAEL J. BRENNAN

JOHN J. CANNEY

HAY WEIGHERS

FRANK W. BARTLETT

GEORGE M. DAVID

WILLIAM N. NEALLY

JOHN N. BOLSTER

INSPECTOR OF PRESSED OR BUNDLED HAY OR STRAW

HARVEY O. TITUS

PUBLIC WEIGHERS

Francis E. Bailey

Leonard Day

Edward J. Barron

William H. Delaney

Theodore P. Clark

John E. Fay

Dennis T. Coffey

Frank Finnick

Ernest Croake

Alexander S. Ford

Clyde E. Crozier

Philip C. Galvin

Thomas Gibson
William H. Gurney
James B. Harris
John P. Healy
Robert Holden
John H. Holt
Hugh T. Kelley
James Knowles
Neil Macdonald
Edward A. Mahoney
William Maloney
Walter G. Martin
Ernest E. Bradbury
Harry Butland
William A. Cheyne
Charles McCabe
Melvin McFarland

Charles A. McGlaugflin
Martin McMahon
Harry Meehan
August Pawlowski
George S. Penney
John F. Reilly
Manuel M. Rogers
Alexander Russell
William J. Shutt
John M. Thayer
John J. Toomey
James J. Travers
William H. Tupper
Lawrence J. Toomey
William Varney
Orne Vose
James A. Whelan

VOTES CAST AT

Presidential Election, November 2, 1920

State Election, November 2, 1920

Municipal Election, December 7, 1920

VOTES CAST AT PRESIDENTIAL ELECTION

603

[illegible]

COX AND ROOSEVELT (DEMOCRATIC)

| WHOLE NUMBER OF BALLOTS CAST | | | | Marcus A. Coolidge | Rose D. Forbes | Ellen M. Boland | Mary E. Woolley | Arthur Gordon Webster | Joseph E. Venne | Charles Francis Adams | Annie T. Dodge | Abbie May Roland | Charles W. Elliot | Thomas J. Boynton | Mary F. Sullivan | William Gaston | Mary Madden Jackson | Dorothy Whipple Fry | Eugenia B. Frothingham | Harold E. Sweet | Hannah Ashley | Blank. |
|------------------------------|--------|---|------|--------------------|----------------|-----------------|-----------------|-----------------------|-----------------|-----------------------|----------------|------------------|-------------------|-------------------|------------------|----------------|---------------------|---------------------|------------------------|-----------------|---------------|--------|
| Ward 1 | Prec. | 1 | 234 | 191 | 191 | 191 | 191 | 191 | 191 | 191 | 191 | 191 | 191 | 191 | 191 | 191 | 18 | 191 | 191 | 191 | 191 | 191 |
| | " | 2 | 386 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 252 | 276 | 276 | 276 | 276 | 276 |
| | Totals | | 620 | 467 | 467 | 467 | 467 | 467 | 467 | 467 | 467 | 467 | 467 | 467 | 467 | 467 | 270 | 467 | 467 | 467 | 467 | 467 |
| Ward 2 | Prec. | 1 | 431 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 486 | 241 | 241 | 241 | 241 | 241 |
| | " | 2 | 341 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 219 | 432 | 219 | 219 | 219 | 219 | 219 |
| | Totals | | 772 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 918 | 460 | 460 | 460 | 460 | 460 |
| Ward 3 | Prec. | 1 | 276 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 234 | 174 | 174 | 174 | 174 | 174 |
| | " | 2 | 267 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 378 | 144 | 144 | 144 | 144 | 144 |
| | " | 3 | 411 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 306 | 197 | 197 | 197 | 197 | 197 |
| | " | 4 | 408 | 208 | 208 | 208 | 208 | 208 | 208 | 208 | 208 | 208 | 208 | 208 | 208 | 208 | 306 | 208 | 208 | 208 | 208 | 208 |
| | Totals | | 1362 | 723 | 723 | 723 | 723 | 723 | 723 | 723 | 723 | 723 | 723 | 723 | 723 | 723 | 1224 | 723 | 723 | 723 | 723 | 723 |
| Ward 4 | Prec. | 1 | 220 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 342 | 116 | 116 | 116 | 116 | 116 |
| | " | 2 | 641 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 304 | 684 | 304 | 304 | 304 | 304 | 304 |
| | " | 3 | 526 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 954 | 265 | 265 | 265 | 265 | 265 |
| | " | 4 | 734 | 262 | 262 | 262 | 262 | 262 | 262 | 262 | 262 | 262 | 262 | 262 | 262 | 262 | 450 | 262 | 262 | 262 | 262 | 262 |
| | Totals | | 2121 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 947 | 2430 | 947 | 947 | 947 | 947 | 947 |
| Ward 5 | Prec. | 1 | 647 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 756 | 359 | 359 | 359 | 359 | 359 |
| | " | 2 | 737 | 371 | 371 | 371 | 371 | 371 | 371 | 371 | 371 | 371 | 371 | 371 | 371 | 371 | 738 | 371 | 371 | 371 | 371 | 371 |
| | " | 3 | 1372 | 501 | 501 | 501 | 501 | 501 | 501 | 501 | 501 | 501 | 501 | 501 | 501 | 501 | 900 | 501 | 501 | 501 | 501 | 501 |
| | " | 4 | 1088 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 360 | 238 | 238 | 238 | 238 | 238 |

[illegible]

DEBS AND STEDMAN (SOCIALIST)

[illegible]

VOTES CAST AT PRESIDENTIAL ELECTION

607

[illegible]

VOTES CAST AT PRESIDENTIAL ELECTION

[illegible]

| GOVERNOR | | | | LIEUTENANT-GOVERNOR | | | | SECRETARY | | | | | | | | | | | | | |
|----------|---------|-----|----|---------------------|-----|----|-----------------------------------|-----------|------|-----|-----|-----|------|------|-----|----|-----|-----|--|--|------------------------------------|
| Ward 1 | Prec. 1 | 36 | 3 | 2 | 175 | 18 | Blank. | 188 | 6 | 20 | 1 | 3 | 16 | 32 | 167 | 0 | 2 | 33 | Blank | | |
| | " 2 | 73 | 3 | 1 | 277 | 32 | John J. Walsh, Democratic. | 253 | 3 | 68 | 23 | 13 | 26 | 69 | 258 | 1 | 16 | 42 | | Edith M. Williams, Socialist. | |
| | Totals | 109 | 6 | 3 | 452 | 50 | | 441 | 9 | 88 | 24 | 16 | 42 | 101 | 425 | 1 | 18 | 75 | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Ward 2 | Prec. 1 | 84 | 8 | 7 | 289 | 43 | Blank. | 244 | 10 | 97 | 10 | 12 | 58 | 87 | 243 | 5 | 11 | 85 | Anthony Houtenbrink, Socialist Labor. | | |
| | " 2 | 61 | 8 | 6 | 233 | 33 | Walter S. Hutchins, Socialist. | 206 | 4 | 61 | 4 | 8 | 58 | 58 | 194 | 5 | 7 | 77 | | Edward E. Ginsberg, Democratic. | |
| | Totals | 145 | 16 | 13 | 522 | 76 | | 450 | 14 | 158 | 14 | 20 | 116 | 145 | 437 | 10 | 18 | 162 | | | Frederick W. Cook, Republican. |
| | | | | | | | | | | | | | | | | | | | | | |
| Ward 3 | Prec. 1 | 55 | 8 | 2 | 170 | 41 | Blank. | 152 | 4 | 53 | 8 | 12 | 47 | 44 | 153 | 4 | 9 | 66 | Edith M. Williams, Socialist. | | |
| | " 2 | 55 | 12 | 4 | 150 | 46 | John J. Walsh, Democratic. | 130 | 3 | 60 | 9 | 15 | 50 | 52 | 127 | 4 | 12 | 72 | | Anthony Houtenbrink, Socialist Labor. | |
| | " 3 | 132 | 9 | 3 | 238 | 29 | | 199 | 5 | 117 | 8 | 34 | - 48 | 128 | 204 | 4 | 9 | 66 | | | Edward E. Ginsberg, Democratic. |
| | " 4 | 137 | 7 | 32 | 203 | 29 | | 195 | 5 | 116 | 6 | 48 | 38 | 124 | 208 | 1 | 12 | 63 |  |  |  | Frederick W. Cook, Republican. |
| Totals | 379 | 36 | 41 | 761 | 145 | | 676 | 17 | 346 | 31 | 109 | 183 | 348 | 692 | 13 | 42 | 267 | | | | |
| Ward 4 | Prec. 1 | 63 | 4 | 7 | 120 | 26 | Blank. | 116 | 6 | 44 | 16 | 5 | 33 | 59 | 109 | 5 | 7 | 40 | Edith M. Williams, Socialist. | | |
| | " 2 | 233 | 11 | 6 | 335 | 56 | John J. Walsh, Democratic. | 295 | 3 | 193 | 11 | 53 | 86 | 212 | 304 | 7 | 13 | 105 | | Anthony Houtenbrink, Socialist Labor. | |
| | " 3 | 222 | 9 | 3 | 229 | 63 | | 209 | 3 | 183 | 6 | 48 | 77 | 222 | 199 | 3 | 10 | 92 | | | Edward E. Ginsberg, Democratic. |
| | " 4 | 396 | 13 | 3 | 275 | 47 | | 261 | 4 | 311 | 12 | 83 | 63 | 369 | 250 | 1 | 21 | 93 |  |  |  | Frederick W. Cook, Republican. |
| Totals | 914 | 37 | 19 | 959 | 192 | | 881 | 16 | 731 | 45 | 189 | 259 | 862 | 862 | 16 | 51 | 330 | | | | |
| Ward 5 | Prec. 1 | 193 | 4 | 3 | 378 | 69 | Blank. | 332 | 5 | 199 | 3 | 31 | 77 | 190 | 324 | 3 | 6 | 124 | Edith M. Williams, Socialist. | | |
| | " 2 | 293 | 9 | 1 | 377 | 57 | John J. Walsh, Democratic. | 322 | 4 | 221 | 9 | 106 | 75 | 264 | 337 | 4 | 11 | 121 | | Anthony Houtenbrink, Socialist Labor. | |
| | " 3 | 805 | 4 | 2 | 496 | 65 | | 424 | 3 | 570 | 2 | 264 | 109 | 752 | 455 | 2 | 19 | 144 | | | Edward E. Ginsberg, Democratic. |
| | " 4 | 837 | 12 | 3 | 190 | 46 | | 194 | 1 | 535 | 9 | 280 | 69 | 814 | 178 | 0 | 15 | 81 |  |  |  | Frederick W. Cook, Republican. |
| Totals | 2128 | 29 | 9 | 1441 | 237 | | 1272 | 13 | 1525 | 23 | 681 | 330 | 2020 | 1294 | 9 | 51 | 470 | | | | |

| | | | | | | | | | | | | | | | | | |
|--------------|---------|------|-----|-------|------|------|------|-----|-------|-----|------|------|-------|------|-----|-----|------|
| Ward 6 | Prec. 1 | 248 | 10 | 4 | 132 | 50 | 126 | 3 | 179 | 12 | 61 | 63 | 237 | 113 | 4 | 11 | 79 |
| | " | 505 | 15 | 5 | 209 | 47 | 212 | 3 | 340 | 17 | 140 | 69 | 488 | 177 | 4 | 30 | 82 |
| | " | 396 | 14 | 4 | 313 | 53 | 285 | 4 | 308 | 11 | 84 | 88 | 398 | 264 | 3 | 14 | 101 |
| | " | 683 | 5 | 4 | 267 | 59 | 229 | 1 | 554 | 8 | 148 | 78 | 685 | 199 | 3 | 11 | 120 |
| | Totals | 1832 | 44 | 17 | 921 | 209 | 852 | 11 | 1381 | 48 | 433 | 298 | 1808 | 753 | 14 | 66 | 382 |
| Ward 7 | Prec. 1 | 490 | 13 | 5 | 272 | 56 | 258 | 5 | 356 | 13 | 128 | 76 | 462 | 242 | 5 | 21 | 106 |
| | " | 370 | 10 | 4 | 273 | 52 | 254 | 6 | 200 | 9 | 163 | 77 | 355 | 240 | 6 | 11 | 97 |
| | " | 768 | 7 | 2 | 162 | 42 | 159 | 3 | 549 | 6 | 194 | 70 | 744 | 145 | 4 | 11 | 77 |
| | " | 406 | 27 | 10 | 251 | 68 | 224 | 8 | 330 | 23 | 81 | 96 | 382 | 213 | 7 | 33 | 127 |
| | Totals | 2034 | 57 | 21 | 958 | 218 | 895 | 22 | 1435 | 51 | 566 | 319 | 1943 | 840 | 22 | 76 | 407 |
| Ward 8 | Prec. 1 | 806 | 11 | 5 | 316 | 66 | 317 | 7 | 568 | 8 | 211 | 93 | 762 | 280 | 3 | 24 | 135 |
| | " | 1027 | 9 | 1 | 277 | 46 | 283 | 3 | 657 | 13 | 348 | 56 | 1023 | 237 | 3 | 18 | 79 |
| | " | 185 | 7 | 7 | 425 | 85 | 356 | 6 | 175 | 7 | 48 | 117 | 183 | 353 | 7 | 9 | 157 |
| | Totals | 2018 | 27 | 13 | 1018 | 197 | 956 | 16 | 1400 | 28 | 607 | 266 | 1968 | 870 | 13 | 51 | 371 |
| Ward 9 | Prec. 1 | 1216 | 17 | 2 | 233 | 60 | 266 | 2 | 758 | 17 | 405 | 80 | 1160 | 217 | 3 | 36 | 113 |
| | " | 752 | 12 | 3 | 359 | 62 | 356 | 6 | 434 | 10 | 289 | 93 | 740 | 309 | 2 | 32 | 105 |
| | " | 727 | 8 | 5 | 329 | 56 | 350 | 7 | 528 | 8 | 228 | 67 | 727 | 344 | 6 | 14 | 97 |
| | " | 204 | 4 | 3 | 284 | 30 | 251 | 5 | 180 | 4 | 38 | 47 | 188 | 262 | 3 | 8 | 64 |
| | Totals | 2899 | 41 | 13 | 1268 | 208 | 1223 | 20 | 1900 | 39 | 960 | 287 | 2815 | 1132 | 14 | 89 | 379 |
| Ward 10 | Prec. 1 | 1019 | 6 | 3 | 220 | 43 | 207 | 3 | 653 | 5 | 370 | 53 | 1005 | 186 | 3 | 11 | 86 |
| | " | 860 | 3 | 4 | 171 | 44 | 167 | 4 | 545 | 9 | 302 | 55 | 841 | 147 | 1 | 16 | 77 |
| | " | 289 | 7 | 4 | 414 | 51 | 380 | 2 | 220 | 11 | 78 | 74 | 273 | 365 | 1 | 13 | 113 |
| | Totals | 2168 | 16 | 11 | 805 | 138 | 754 | 9 | 1418 | 25 | 750 | 182 | 2119 | 698 | 5 | 40 | 276 |
| Ward 11 | Prec. 1 | 710 | 12 | 8 | 415 | 68 | 367 | 4 | 536 | 11 | 210 | 85 | 694 | 372 | 2 | 24 | 121 |
| | " | 398 | 9 | 11 | 614 | 90 | 511 | 6 | 393 | 7 | 84 | 121 | 397 | 537 | 8 | 24 | 156 |
| | " | 303 | 17 | 8 | 479 | 87 | 432 | 44 | 270 | 18 | 36 | 134 | 275 | 404 | 8 | 30 | 177 |
| | Totals | 1411 | 38 | 27 | 1508 | 245 | 1310 | 14 | 1199 | 36 | 330 | 340 | 1366 | 1313 | 18 | 78 | 454 |
| Grand Totals | 16037 | 347 | 187 | 10613 | 1915 | 2622 | 9710 | 161 | 11581 | 364 | 4661 | 2622 | 15495 | 9316 | 135 | 580 | 3573 |

[illegible]

| | | | | | | | | | | | | | | | | | | |
|--------------|---------|-------|------|-------|------|----|------|-----|-------|-------|-----|-----|-----|-------|-----|-----|-------|------|
| Ward 6 | Prec. 1 | 13 | 219 | 11 | 117 | 5 | 0 | 79 | 229 | 131 | 3 | 13 | 68 | 232 | 4 | 15 | 116 | 77 |
| | " | 2 | 472 | 11 | 196 | 7 | 0 | 72 | 480 | 197 | 3 | 17 | 84 | 481 | 3 | 20 | 200 | 77 |
| | " | 3 | 368 | 16 | 294 | 3 | 0 | 87 | 388 | 285 | 7 | 12 | 88 | 386 | 5 | 15 | 282 | 92 |
| | " | 3 | 685 | 7 | 222 | 1 | 0 | 97 | 680 | 231 | 4 | 5 | 98 | 670 | 2 | 10 | 233 | 103 |
| | Totals | 54 | 1744 | 45 | 829 | 16 | 0 | 335 | 1777 | 844 | 17 | 47 | 338 | 1769 | 14 | 60 | 831 | 349 |
| Ward 7 | Prec. 1 | 9 | 455 | 9 | 269 | 7 | 0 | 87 | 455 | 266 | 6 | 12 | 97 | 466 | 4 | 13 | 265 | 88 |
| | " | 2 | 339 | 11 | 269 | 1 | 0 | 83 | 356 | 256 | 5 | 6 | 86 | 348 | 4 | 10 | 263 | 84 |
| | " | 3 | 552 | 7 | 154 | 5 | 0 | 65 | 740 | 167 | 6 | 6 | 62 | 745 | 5 | 17 | 159 | 65 |
| | " | 4 | 368 | 24 | 239 | 7 | 0 | 111 | 379 | 224 | 8 | 23 | 128 | 381 | 7 | 25 | 234 | 115 |
| | Totals | 226 | 1714 | 51 | 931 | 20 | 0 | 346 | 1930 | 913 | 25 | 47 | 373 | 1940 | 20 | 55 | 921 | 352 |
| Ward 8 | Prec. 1 | 20 | 766 | 6 | 317 | 1 | 0 | 94 | 718 | 348 | 5 | 9 | 124 | 764 | 7 | 11 | 313 | 109 |
| | " | 2 | 1022 | 6 | 250 | 2 | 0 | 63 | 977 | 292 | 3 | 8 | 80 | 1004 | 3 | 12 | 269 | 72 |
| | " | 3 | 164 | 8 | 386 | 7 | 0 | 133 | 171 | 371 | 7 | 9 | 151 | 164 | 5 | 7 | 402 | 131 |
| | Totals | 48 | 1952 | 20 | 953 | 10 | 0 | 290 | 1866 | 1011 | 15 | 26 | 355 | 1932 | 15 | 30 | 984 | 312 |
| Ward 9 | Prec. 1 | 12 | 1197 | 17 | 223 | 2 | 1 | 76 | 1105 | 304 | 2 | 16 | 1 | 1194 | 3 | 74 | 165 | 92 |
| | " | 2 | 774 | 13 | 310 | 5 | 0 | 78 | 689 | 368 | 3 | 13 | 115 | 749 | 6 | 18 | 323 | 92 |
| | " | 3 | 714 | 6 | 392 | 7 | 0 | 57 | 681 | 392 | 6 | 20 | 89 | 714 | 5 | 12 | 383 | 74 |
| | " | 4 | 179 | 1 | 290 | 5 | 0 | 44 | 183 | 277 | 2 | 3 | 60 | 177 | 5 | 10 | 276 | 57 |
| | Totals | 38 | 2864 | 37 | 1215 | 19 | 1 | 255 | 2658 | 1341 | 13 | 52 | 1 | 2834 | 19 | 114 | 1147 | 315 |
| Ward 10 | Prec. 1 | 13 | 1013 | 5 | 199 | 4 | 0 | 57 | 967 | 237 | 7 | 6 | 74 | 1007 | 5 | 11 | 195 | 73 |
| | " | 2 | 843 | 8 | 169 | 1 | 0 | 52 | 809 | 190 | 2 | 10 | 71 | 835 | 0 | 8 | 166 | 73 |
| | " | 3 | 267 | 11 | 386 | 0 | 0 | 93 | 280 | 357 | 5 | 10 | 113 | 272 | 4 | 10 | 386 | 93 |
| | Totals | 30 | 2123 | 24 | 754 | 5 | 0 | 202 | 2056 | 784 | 14 | 26 | 258 | 2114 | 9 | 29 | 747 | 239 |
| Ward 11 | Prec. 1 | 244 | 509 | 8 | 357 | 10 | 0 | 85 | 658 | 438 | 8 | 12 | 97 | 676 | 3 | 17 | 416 | 101 |
| | " | 2 | 364 | 14 | 600 | 7 | 0 | 121 | 376 | 576 | 8 | 18 | 144 | 360 | 8 | 12 | 590 | 152 |
| | " | 3 | 246 | 20 | 476 | 3 | 0 | 137 | 280 | 440 | 5 | 21 | 148 | 263 | 7 | 20 | 466 | 138 |
| | Totals | 272 | 1119 | 42 | 1433 | 20 | 0 | 343 | 1314 | 1454 | 21 | 51 | 389 | 1299 | 18 | 49 | 1472 | 391 |
| Grand Totals | 805 | 14779 | 381 | 10195 | 124 | 1 | 2814 | | 14940 | 10322 | 157 | 393 | 1 | 15229 | 142 | 475 | 10112 | 3141 |

| CONGRESSMAN | | | | | | | | | | COUNCILLOR Third District | | | COUNCILLOR Fourth District | | | | | | |
|-------------|-------|---|---|--|-----|--------------------------------|-----------------------------------|----------|--------|----------------------------------|----------------------------------|--------|------------------------------------|--------------------|---------------|------------------|-------------|---------------|--------|
| Ward 1 | Prec. | 1 | 2 | Frederick W. Dallinger, Republican. | | John J. Lynch, Independent. | Whitfield L. Tuck, Democratic. | Lovering | Blank. | E. Calanan Brown, Republican. | William S. Foley, Democratic. | Blank. | John C. F. Slayton, Republican. | Edward J. Sennott, | John McCarthy | Greta C. Coleman | H. W. Brown | George Oliver | Blank. |
| | | | | 37 | 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 147 | 30 | 24 | 178 | 32 |
| | | | | 137 | 64 | 154 | 154 | | 31 | 74 | 267 | 45 | | | | | | | |
| Totals | | | | 174 | 84 | 301 | 301 | | 61 | 98 | 445 | 77 | | | | | | | |
| Ward 2 | Prec. | 1 | 2 | 135 | | 67 | 172 | 1 | 56 | 67 | 291 | 73 | 43 | 218 | 80 | | | | |
| | | | | 101 | 53 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 144 | 43 | 218 | 80 |
| | | | | 236 | 120 | 316 | 316 | 1 | 99 | 110 | 509 | 153 | | | | | | | |
| Totals | | | | 236 | 120 | 316 | 316 | 1 | 99 | 110 | 509 | 153 | | | | | | | |
| Ward 3 | Prec. | 1 | 2 | 85 | | 53 | 89 | | 49 | 69 | | 207 | 69 | | | | | | |
| | | | | 82 | 55 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 77 | 53 | 69 | 207 |
| | | | | 166 | 80 | 126 | 126 | | 39 | 160 | | 251 | 160 | | | | | | |
| | | | | 146 | 87 | 136 | 136 | | 39 | 144 | 1 | 263 | 144 | 1 | | | | | |
| Totals | | | | 479 | 275 | 428 | 428 | | 180 | 442 | 1 | 919 | 442 | 1 | | | | | |
| Ward 4 | Prec. | 1 | 2 | 81 | | 30 | 79 | | 30 | 83 | | 137 | 244 | | | | | | |
| | | | | 295 | 104 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 177 | 65 | 244 | 137 |
| | | | | 264 | 63 | 124 | 124 | | 75 | 268 | | 258 | 268 | | | | | | |
| | | | | 432 | 87 | 142 | 142 | | 73 | 411 | | 323 | 411 | | | | | | |
| Totals | | | | 1072 | 284 | 522 | 522 | | 243 | 1006 | | 1115 | 1006 | | | | | | |
| Ward 5 | Prec. | 1 | 2 | 286 | | 127 | 161 | | 73 | 238 | | 409 | 319 | | | | | | |
| | | | | 408 | 77 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 174 | 78 | 238 | 409 |
| | | | | 922 | 152 | 217 | 217 | | 81 | 825 | | 547 | 825 | | | | | | |
| | | | | 875 | 59 | 103 | 103 | | 51 | 838 | | 250 | 838 | | | | | | |
| Totals | | | | 2491 | 415 | 655 | 655 | | 283 | 2220 | | 1624 | 2220 | | | | | | |

| | | | | | | | |
|--------------|---------|-------|------|------|------|-------|-------|
| Ward 6 | Prec. 1 | 261 | 44 | 75 | 64 | 261 | 183 |
| | " 2 | 515 | 68 | 125 | 73 | 517 | 264 |
| | " 3 | 453 | 80 | 154 | 93 | 429 | 351 |
| | " 4 | 718 | 67 | 152 | 81 | 719 | 299 |
| | Totals | 1947 | 259 | 506 | 311 | 1926 | 1097 |
| Ward 7 | Prec. 1 | 539 | 84 | 141 | 72 | 503 | 333 |
| | " 2 | 394 | 95 | 144 | 76 | 397 | 312 |
| | " 3 | 802 | 33 | 82 | 64 | 770 | 211 |
| | " 4 | 454 | 93 | 116 | 99 | 430 | 332 |
| | Totals | 2189 | 305 | 483 | 311 | 2100 | 1188 |
| Ward 8 | Prec. 1 | 825 | 105 | 185 | 89 | 812 | 392 |
| | " 2 | 1055 | 77 | 165 | 63 | 1046 | 314 |
| | " 3 | 244 | 99 | 265 | 101 | 229 | 480 |
| | Totals | 2124 | 281 | 615 | 253 | 2087 | 1186 |
| Ward 9 | Prec. 1 | 1196 | 84 | 172 | 76 | 1211 | 315 |
| | " 2 | 800 | 90 | 216 | 82 | 786 | 400 |
| | " 3 | 798 | 122 | 198 | 70 | 767 | 421 |
| | " 4 | 247 | 59 | 169 | 50 | 219 | 306 |
| | Totals | 3041 | 355 | 755 | 278 | 2983 | 1442 |
| Ward 10 | Prec. 1 | 1040 | 7 | 121 | 53 | 1033 | 258 |
| | " 2 | 842 | 81 | 97 | 62 | 841 | 241 |
| | " 3 | 322 | 166 | 219 | 58 | 335 | 430 |
| | Totals | 2204 | 324 | 437 | 173 | 2209 | 929 |
| Ward 11 | Prec. 1 | 752 | 236 | 161 | 64 | 748 | 465 |
| | " 2 | 359 | 585 | 132 | 46 | 452 | 670 |
| | " 3 | 249 | 451 | 124 | 70 | 334 | 560 |
| | Totals | 1360 | 1272 | 417 | 180 | 1534 | 1695 |
| Grand Totals | | 17317 | 3974 | 5435 | 2372 | 16507 | 11195 |
| | | | 1 | | | 1 | 1 |
| | | | | 208 | 954 | 1 | 1 |
| | | | | | | 1 | 1 |
| | | | | | | | |

STATE ELECTION, NOVEMBER 2, 1920—(Continued)

| SENATOR Second Suffolk | | | SENATOR Third Middlesex | | Second Middlesex SENATOR | |
|---------------------------|---------|-----|-----------------------------------|--------------------------------------|-------------------------------------|-----------------------------------|
| | | | | | | |
| Ward 1 | Prec. 1 | 187 | Thomas H. Green, Democratic. | Benjamin F. Thompson, Republican. | Blank. | Blank. |
| | " 2 | 277 | | | | |
| | Totals | 464 | | | | |
| Ward 2 | Prec. 1 | 290 | Charles M. Austin, Republican. | Blank. | Herbert M. Bridgely, Democratic. | George H. Garrick, Republican. |
| | " 2 | 224 | | | | |
| | Totals | 514 | | | | |
| Ward 3 | Prec. 1 | | Blank. | Blank. | Blank. | Blank. |
| | " 2 | | | | | |
| | " 3 | | | | | |
| | " 4 | | | | | |
| | Totals | | | | | |
| Ward 4 | Prec. 1 | | Blank. | Blank. | Blank. | Blank. |
| | " 2 | | | | | |
| | " 3 | | | | | |
| | " 4 | | | | | |
| | Totals | | | | | |
| Ward 5 | Prec. 1 | | Blank. | Blank. | Blank. | Blank. |
| | " 2 | | | | | |
| | " 3 | | | | | |
| | " 4 | | | | | |
| | Totals | | | | | |
| Totals | | | | | | |

| | | | | |
|--------------|---------|------|-------|------|
| Ward 6 | Prec. 1 | 132 | 228 | 84 |
| | " 2 | 204 | 480 | 97 |
| | " 3 | 290 | 361 | 129 |
| | " 3 | 229 | 667 | 122 |
| | Totals | 855 | 1736 | 432 |
| Ward 7 | Prec. 1 | 261 | 473 | 102 |
| | " 2 | 245 | 342 | 122 |
| | " 3 | 156 | 721 | 104 |
| | " 4 | 232 | 390 | 140 |
| | Totals | 894 | 1926 | 468 |
| Ward 8 | Prec. 1 | 313 | 761 | 130 |
| | " 2 | 266 | 1005 | 89 |
| | " 3 | 364 | 212 | 133 |
| | Totals | 943 | 1978 | 352 |
| Ward 9 | Prec. 1 | 249 | 1154 | 125 |
| | " 2 | 337 | 728 | 123 |
| | " 3 | 361 | 731 | 96 |
| | " 4 | 267 | 175 | 83 |
| | Totals | 1214 | 2788 | 427 |
| Ward 10 | Prec. 1 | 230 | 980 | 81 |
| | " 2 | 175 | 810 | 97 |
| | " 3 | 391 | 278 | 96 |
| | Totals | 796 | 2068 | 274 |
| Ward 11 | Prec. 1 | 422 | 662 | 129 |
| | " 2 | 586 | 362 | 174 |
| | " 3 | 454 | 276 | 164 |
| | Totals | 1462 | 1300 | 467 |
| Grand Totals | | 8582 | 14566 | 3197 |
| | | | 457 | 905 |

| REPRESENTATIVES First Middlesex | | | | REPRESENTATIVES Second Middlesex | | | | REPRESENTATIVES Third Middlesex | | | | | | | | | | | |
|------------------------------------|---------|------|--------|-------------------------------------|-----------------------------------|------------------------------------|-------------------------------|-------------------------------------|-----------------------------------|--------|----------------------------------|---------------------------------|----------------------------------|--------------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------|--------|
| Ward 1 | Prec. 1 | 192 | Blank. | James E. Curry, Democratic. | Thomas A. Glennon, Democratic. | Clarence P. Kidder, Republican. | Julius Meyers, Republican. | James A. Montgomery, Democratic. | Ralph R. Stratton, Republican. | Blank. | George W. Angus, Independent. | Arthur E. Beane, Republican. | Francis J. Facey, Democratic. | Louis L. Green, Republican. | John A. Kelleher, Democratic. | James J. McDonald, Democratic. | Arthur K. Reading, Republican. | Blank. | |
| | " 2 | 279 | | | | | | | | | | | | | | | | | |
| | Totals | 471 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Ward 2 | Prec. 1 | 329 | Blank. | James H. Kelleher, Democratic. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | |
| | " 2 | 237 | | | | | | | | | | | | | | | | | |
| | Totals | 566 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Ward 3 | Prec. 1 | 164 | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | |
| | " 2 | 164 | | | | | | | | | | | | | | | | | |
| | " 3 | 246 | | | | | | | | | | | | | | | | | |
| | " 4 | 246 | | | | | | | | | | | | | | | | | |
| Totals | 820 | 542 | | | | | | | | | | | | | | | | | |
| Ward 4 | Prec. 1 | 136 | 131 | 54 | 52 | 139 | 48 | 100 | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. |
| | " 2 | 393 | 347 | 169 | 166 | 380 | 166 | 302 | | | | | | | | | | | |
| | " 3 | 262 | 233 | 184 | 184 | 240 | 192 | 283 | | | | | | | | | | | |
| | " 4 | 337 | 301 | 322 | 300 | 318 | 316 | 308 | | | | | | | | | | | |
| Totals | 1128 | 1012 | 729 | 702 | 1077 | 722 | 993 | | | | | | | | | | | | |
| Ward 5 | Prec. 1 | 452 | 372 | 130 | 124 | 402 | 151 | 310 | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. | Blank. |
| | " 2 | 432 | 363 | 220 | 190 | 405 | 239 | 362 | | | | | | | | | | | |
| | " 3 | 601 | 470 | 655 | 620 | 571 | 689 | 510 | | | | | | | | | | | |
| | " 4 | 240 | 203 | 746 | 668 | 270 | 729 | 498 | | | | | | | | | | | |
| Totals | 1725 | 1408 | 1751 | 1602 | 1648 | 1808 | 1590 | | | | | | | | | | | | |

[illegible]

STATE ELECTION, NOVEMBER 2, 1920—(Continued)

| COUNTY COMMISSIONER | | | | SHERIFF | | | QUESTION 2.75 Beer, Cider and Light Wines | |
|---------------------|---------|------|------|-----------------------------------|-----------------------|--------------------|---|--------|
| | | | | John R. Fairbairn, Republican. | Charles Shifferdecker | Walter C. Wardwell | Blank. | |
| Ward 1 | Prec. 1 | 69 | 86 | 130 | | | 104 | Yes |
| | " 2 | 121 | 166 | 231 | | | 155 | No |
| | Totals | 190 | 252 | 361 | | | 259 | Blank. |
| Ward 2 | Prec. 1 | 126 | 176 | 215 | 1 | | 215 | Yes |
| | " 2 | 103 | 122 | 165 | | | 176 | No |
| | Totals | 229 | 298 | 380 | 1 | | 391 | Blank. |
| Ward 3 | Prec. 1 | 52 | 78 | 97 | | | 178 | Yes |
| | " 2 | 58 | 85 | 90 | | | 177 | No |
| | " 3 | 137 | 182 | 187 | | | 224 | Blank. |
| Ward 4 | Prec. 1 | 88 | 88 | 192 | | | 216 | Yes |
| | " 2 | 255 | 298 | 566 | | | 796 | No |
| | " 3 | 264 | 290 | | | | | Blank. |
| Ward 5 | Prec. 1 | 217 | 303 | 101 | | | 119 | Yes |
| | " 2 | 319 | 398 | 334 | | | 307 | No |
| | " 3 | 813 | 937 | 297 | | | 229 | Blank. |
| Totals | Prec. 1 | 1016 | 1137 | 462 | | | 272 | Yes |
| | " 2 | 1016 | 1137 | 1194 | | | 927 | No |
| | " 3 | 1016 | 1137 | | | | | Blank. |
| Totals | Prec. 1 | 2152 | 2523 | 321 | | | 326 | Yes |
| | " 2 | 2152 | 2523 | 404 | | | 333 | No |
| | " 3 | 2152 | 2523 | 924 | | | 448 | Blank. |
| Totals | Prec. 1 | 2152 | 2523 | 862 | | | 226 | Yes |
| | " 2 | 2152 | 2523 | 2511 | | | 1333 | No |
| | " 3 | 2152 | 2523 | | | | | Blank. |

| | | | | | | | | | |
|--------------|---------|-------|------|------|-------|------|-------|-------|------|
| Ward 6 | Prec. 1 | 247 | 272 | 369 | 272 | 172 | 213 | 115 | 116 |
| | " | 2 | 484 | 565 | 535 | 246 | 351 | 301 | 129 |
| | " | 3 | 418 | 664 | 461 | 319 | 352 | 256 | 172 |
| | " | 4 | 677 | 614 | 753 | 265 | 355 | 508 | 155 |
| | Totals | 1826 | 2008 | 2212 | 2021 | 1002 | 1271 | 1180 | 572 |
| Ward 7 | Prec. 1 | 479 | 562 | 631 | 541 | 295 | 354 | 339 | 143 |
| | " | 2 | 391 | 597 | 381 | 328 | 371 | 163 | 175 |
| | " | 3 | 711 | 474 | 759 | 222 | 332 | 487 | 162 |
| | " | 4 | 397 | 685 | 445 | 317 | 330 | 254 | 178 |
| | Totals | 1978 | 2211 | 2387 | 2126 | 1162 | 1387 | 1243 | 658 |
| Ward 8 | Prec. 1 | 783 | 893 | 732 | 857 | 347 | 419 | 612 | 173 |
| | " | 2 | 1033 | 561 | 1057 | 303 | 389 | 759 | 212 |
| | " | 3 | 227 | 894 | 270 | 439 | 375 | 151 | 183 |
| | Totals | 2043 | 2316 | 2187 | 2184 | 1089 | 1183 | 1522 | 568 |
| Ward 9 | Prec. 1 | 1192 | 1223 | 641 | 1187 | 1 | 445 | 847 | 236 |
| | " | 2 | 765 | 789 | 809 | 379 | 409 | 577 | 202 |
| | " | 3 | 767 | 784 | 837 | 351 | 478 | 555 | 155 |
| | " | 4 | 233 | 561 | 255 | 270 | 257 | 152 | 116 |
| | Totals | 2957 | 3126 | 2775 | 3088 | 1 | 1589 | 2131 | 709 |
| Ward 10 | Prec. 1 | 969 | 1024 | 589 | 1028 | 263 | 371 | 755 | 165 |
| | " | 2 | 821 | 502 | 831 | 251 | 300 | 606 | 176 |
| | " | 3 | 341 | 801 | 374 | 391 | 389 | 219 | 157 |
| | Totals | 2131 | 2253 | 1892 | 2233 | 905 | 1060 | 1580 | 498 |
| Ward 11 | Prec. 1 | 593 | 799 | 934 | 832 | 381 | 493 | 521 | 199 |
| | " | 2 | 458 | 1232 | 532 | 590 | 547 | 334 | 241 |
| | " | 3 | 334 | 1067 | 379 | 515 | 452 | 203 | 239 |
| | Totals | 1485 | 1740 | 3233 | 1743 | 1486 | 1492 | 1058 | 679 |
| Grand Totals | 16395 | 18373 | 1 | 1 | 18407 | 1 | 12221 | 11480 | 5398 |

| ASSESSOR | | | | | SCHOOL COMMITTEE | | | | | |
|---------------------------------|---------|------|------|-----|------------------|-------------------|------------|--------------------|--|-------|
| WHOLE NUMBER OF BALLOTS CAST | | | | | Jessie W. Brooks | Charles F. Hurley | Hyman Pill | Charles F. Whiting | Jeanette B. Peabody 197 Brattle St. | Blank |
| Ward 1 | Prec. 1 | 255 | 206 | 22 | 41 | 207 | 97 | 36 | | 129 |
| | " 2 | 365 | 307 | 37 | 104 | 289 | 119 | 69 | | 149 |
| | Totals | 620 | 513 | 59 | 145 | 496 | 216 | 105 | | 278 |
| Ward 2 | Prec. 1 | 274 | 230 | 36 | 61 | 225 | 129 | 34 | | 99 |
| | " 2 | 207 | 169 | 29 | 41 | 176 | 80 | 25 | | 92 |
| | Totals | 401 | 399 | 65 | 102 | 401 | 209 | 59 | | 191 |
| Ward 3 | Prec. 1 | 246 | 212 | 20 | 62 | 187 | 120 | 35 | | 88 |
| | " 2 | 303 | 246 | 27 | 70 | 199 | 158 | 35 | | 144 |
| | " 3 | 324 | 258 | 47 | 84 | 234 | 171 | 42 | | 117 |
| | " 4 | 343 | 283 | 46 | 64 | 264 | 217 | 56 | | 85 |
| | Totals | 1216 | 999 | 140 | 280 | 884 | 666 | 168 | | 434 |
| Ward 4 | Prec. 1 | 183 | 142 | 27 | 64 | 121 | 68 | 38 | | 75 |
| | " 2 | 450 | 334 | 100 | 135 | 290 | 221 | 102 | | 152 |
| | " 3 | 405 | 269 | 113 | 165 | 236 | 146 | 148 | | 115 |
| | " 4 | 507 | 360 | 132 | 239 | 252 | 192 | 220 | | 111 |
| | Totals | 1454 | 1105 | 372 | 603 | 899 | 627 | 508 | | 453 |
| Ward 5 | Prec. 1 | 482 | 400 | 70 | 148 | 331 | 214 | 110 | | 161 |
| | " 2 | 569 | 447 | 110 | 189 | 369 | 261 | 186 | | 133 |
| | " 3 | 1046 | 609 | 417 | 535 | 493 | 328 | 516 | | 220 |
| | " 4 | 702 | 301 | 383 | 451 | 203 | 149 | 490 | | 111 |
| | Totals | 2799 | 1757 | 980 | 1323 | 1396 | 952 | 1302 | | 625 |

| | | | | | | | | | | |
|---------|--------------|-------|-------|------|-----|-------|-------|------|------|------|
| Ward 6 | Prec. 1 | 223 | 138 | 71 | 14 | 108 | 104 | 75 | 84 | 75 |
| | " 2 | 412 | 187 | 219 | 6 | 251 | 161 | 114 | 226 | 72 |
| | " 3 | 481 | 324 | 139 | 18 | 234 | 259 | 157 | 205 | 106 |
| | " 4 | 730 | 350 | 354 | 26 | 481 | 235 | 131 | 472 | 141 |
| | Totals | 1846 | 999 | 783 | 64 | 1074 | 759 | 477 | 987 | 394 |
| Ward 7 | Prec. 1 | 534 | 316 | 196 | 22 | 266 | 253 | 195 | 251 | 103 |
| | " 2 | 559 | 335 | 160 | 64 | 241 | 274 | 198 | 202 | 203 |
| | " 3 | 640 | 256 | 349 | 35 | 418 | 155 | 145 | 442 | 120 |
| | " 4 | 490 | 283 | 182 | 25 | 230 | 217 | 158 | 223 | 152 |
| | Totals | 2223 | 1190 | 887 | 146 | 1155 | 899 | 696 | 1118 | 578 |
| Ward 8 | Prec. 1 | 877 | 431 | 414 | 32 | 521 | 320 | 215 | 558 | 140 |
| | " 2 | 898 | 351 | 529 | 18 | 579 | 270 | 192 | 622 | 133 |
| | " 3 | 665 | 545 | 75 | 45 | 143 | 514 | 330 | 107 | 236 |
| | Totals | 2440 | 1327 | 1018 | 95 | 1243 | 1194 | 737 | 1287 | 509 |
| Ward 9 | Prec. 1 | 887 | 330 | 536 | 21 | 662 | 206 | 128 | 672 | 106 |
| | " 2 | 943 | 485 | 431 | 1 | 567 | 372 | 255 | 538 | 153 |
| | " 3 | 828 | 530 | 279 | 23 | 468 | 381 | 262 | 412 | 133 |
| | " 4 | 377 | 296 | 58 | — | 149 | 250 | 143 | 96 | 116 |
| | Totals | 3035 | 1641 | 1304 | 89 | 1846 | 1209 | 788 | 1716 | 508 |
| Ward 10 | Prec. 1 | 806 | 329 | 450 | 27 | 598 | 200 | 125 | 609 | 80 |
| | " 2 | 698 | 269 | 406 | 23 | 541 | 166 | 96 | 533 | 60 |
| | " 3 | 537 | 422 | 96 | 19 | 185 | 391 | 198 | 129 | 171 |
| | Totals | 2041 | 1020 | 952 | 69 | 1324 | 757 | 419 | 1271 | 311 |
| Ward 11 | Prec. 1 | 777 | 445 | 285 | 47 | 397 | 362 | 201 | 384 | 210 |
| | " 2 | 871 | 663 | 158 | 50 | 310 | 576 | 317 | 250 | 289 |
| | " 3 | 750 | 574 | 104 | 72 | 233 | 546 | 256 | 159 | 306 |
| | Totals | 2398 | 1682 | 547 | 169 | 940 | 1484 | 774 | 793 | 805 |
| | Grand Totals | 20644 | 12632 | 7107 | 904 | 10035 | 10288 | 6561 | 9316 | 5386 |

MUNICIPAL ELECTION, DECEMBER 7, 1920—(CONTINUED)

COUNCILLORS

| | | | | | | | | | | | | | | | | | | | | | | |
|--------|---------|-----|-----|-----|----------------|-----------------------|-------|------------------|-------|------------------|--------------------|-------|---------------|-----------------|-------------------|---------------------|-------|-----------------|------------------|------------------|----------------------|-------|
| Ward 1 | Prec. 1 | 104 | 146 | 5 | Frank J. Lehan | Frederick J. Sullivan | Blank | William M. Hogan | Blank | Francis D. Coady | John J. Tobin, Jr. | Blank | Harry W. Joel | James E. Mahler | George T. Mullett | Sherwood B. Wetmore | Blank | Roland E. Brown | Martin A. Feeley | John L. McDonald | Charles H. McSweeney | Blank |
| | " 2 | 264 | 98 | 3 | | | | | | | | | | | | | | | | | | |
| | Totals | 368 | 244 | 8 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Ward 2 | Prec. 1 | | 237 | 37 | | | | 237 | 37 | | | | | | | | | | | | | |
| | " 2 | | 19 | 28 | | | | | | | | | | | | | | | | | | |
| | Totals | | 416 | 65 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Ward 3 | Prec. 1 | | 192 | 48 | 6 | | | | | | | | | | | | | | | | | |
| | " 2 | | 251 | 49 | 3 | | | | | | | | | | | | | | | | | |
| | " 3 | | 221 | 98 | 5 | | | | | | | | | | | | | | | | | |
| | " 4 | | 200 | 135 | 8 | | | | | | | | | | | | | | | | | |
| Ward 4 | Prec. 1 | | 864 | 330 | 22 | | | | | | | | | | | | | | | | | |
| | " 2 | | | | | | | | | | | | | | | | | | | | | |
| | " 3 | | | | | | | | | | | | | | | | | | | | | |
| | " 4 | | | | | | | | | | | | | | | | | | | | | |
| Ward 5 | Prec. 1 | | | 42 | 183 | 654 | 431 | 167 | 68 | | | | | | | | | | | | | |
| | " 2 | | | 58 | 112 | 201 | 93 | 18 | | | | | | | | | | | | | | |
| | " 3 | | | 94 | 128 | 203 | 127 | 17 | | | | | | | | | | | | | | |
| | " 4 | | | 345 | 217 | 164 | 276 | 44 | | | | | | | | | | | | | | |
| Totals | | | | 866 | 658 | 632 | 550 | 93 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

MUNICIPAL ELECTION, DECEMBER 7, 1920—(CONTINUED)

COUNCILLORS

| | | Charles R. Apted | Matthew J. Corkery | Arthur Drinkwater | Alphonso G. Williams | Blank | Herbert B. Harris | James J. Marklin | Horace A. Skilton | Blank | James P. Brennan | Michael J. Duggan | Timothy J. Horan | Daniel J. Kelleher | Daniel P. Leahy | William J. Lynch | Ralph R. Rice | William T. Skinner | Blank |
|---------|---------|------------------|--------------------|-------------------|----------------------|-------|-------------------|------------------|-------------------|-------|------------------|-------------------|------------------|--------------------|-----------------|------------------|---------------|--------------------|-------|
| Ward 9 | Prec. 1 | 86 | 192 | 542 | 36 | 31 | | | | | | | | | | | | | |
| | " 2 | 33 | 356 | 524 | 8 | 20 | | | | | | | | | | | | | |
| | " 3 | 72 | 343 | 291 | 95 | 27 | | | | | | | | | | | | | |
| | " 4 | 27 | 279 | 33 | 20 | 18 | | | | | | | | | | | | | |
| | Totals | 220 | 1170 | 1390 | 159 | 96 | | | | | | | | | | | | | |
| Ward 10 | Prec. 1 | | | | | | 124 | 185 | 482 | 15 | | | | | | | | | |
| | " 2 | | | | | | 168 | 127 | 391 | 12 | | | | | | | | | |
| | " 3 | | | | | | 52 | 382 | 88 | 15 | | | | | | | | | |
| | Totals | | | | | | 344 | 694 | 961 | 42 | | | | | | | | | |
| Ward 11 | Prec. 1 | | | | | | | | | | 98 | 27 | 6 | 24 | 97 | 140 | 149 | 221 | 15 |
| | " 2 | | | | | | | | | | 98 | 12 | 24 | 86 | 205 | 186 | 65 | 121 | 24 |
| | " 3 | | | | | | | | | | 45 | 17 | 14 | 20 | 370 | 113 | 19 | 132 | 20 |
| | Totals | | | | | | | | | | 241 | 106 | 44 | 130 | 672 | 439 | 233 | 474 | 59 |

QUESTIONS

| PARKS | | | BOXING | | | SPORTS | | | BEVERAGES | | | LIQUOR | | |
|--------|---------|------|--------|-----|-------|--------|-----|-------|-----------|-----|-------|--------|------|-------|
| | | | Yes | No | Blank | Yes | No | Blank | Yes | No | Blank | Yes | No | Blank |
| Ward 1 | Prec. 1 | 136 | 29 | 29 | 90 | 111 | 62 | 82 | 71 | 79 | 105 | 129 | 64 | 62 |
| | " 2 | 238 | 52 | 52 | 75 | 248 | 41 | 76 | 261 | 34 | 70 | 228 | 71 | 66 |
| | Totals | 374 | 81 | 81 | 165 | 359 | 103 | 158 | 332 | 113 | 175 | 357 | 135 | 128 |
| Ward 2 | Prec. 1 | 146 | 38 | 38 | 70 | 158 | 37 | 79 | 191 | 40 | 43 | 138 | 97 | 39 |
| | " 2 | 102 | 60 | 60 | 45 | 119 | 32 | 56 | 138 | 28 | 41 | 119 | 59 | 29 |
| | Totals | 248 | 118 | 118 | 115 | 277 | 69 | 135 | 329 | 68 | 84 | 257 | 156 | 68 |
| Ward 3 | Prec. 1 | 137 | 43 | 43 | 66 | 108 | 77 | 61 | 107 | 65 | 74 | 120 | 83 | 43 |
| | " 2 | 161 | 47 | 47 | 95 | 137 | 77 | 89 | 140 | 64 | 99 | 154 | 81 | 68 |
| | " 3 | 169 | 64 | 64 | 91 | 186 | 48 | 90 | 203 | 45 | 76 | 152 | 117 | 55 |
| | " 4 | 227 | 53 | 53 | 63 | 128 | 161 | 54 | 167 | 93 | 83 | 140 | 155 | 48 |
| | Totals | 694 | 207 | 207 | 315 | 559 | 363 | 294 | 617 | 267 | 332 | 566 | 436 | 214 |
| Ward 4 | Prec. 1 | 98 | 36 | 36 | 49 | 97 | 47 | 39 | 99 | 27 | 57 | 103 | 49 | 31 |
| | " 2 | 253 | 103 | 103 | 94 | 187 | 173 | 90 | 251 | 82 | 117 | 204 | 185 | 61 |
| | " 3 | 251 | 65 | 65 | 89 | 218 | 87 | 100 | 220 | 104 | 81 | 152 | 178 | 75 |
| | " 4 | 277 | 150 | 150 | 80 | 185 | 266 | 256 | 325 | 83 | 99 | 170 | 301 | 36 |
| | Totals | 879 | 354 | 354 | 312 | 687 | 573 | 285 | 895 | 296 | 354 | 629 | 713 | 203 |
| Ward 5 | Prec. 1 | 264 | 97 | 97 | 121 | 245 | 99 | 138 | 281 | 98 | 103 | 196 | 214 | 72 |
| | " 2 | 345 | 115 | 115 | 109 | 277 | 149 | 143 | 303 | 168 | 98 | 180 | 344 | 65 |
| | " 3 | 753 | 137 | 137 | 156 | 529 | 278 | 239 | 568 | 342 | 136 | 252 | 714 | 80 |
| | " 4 | 554 | 61 | 61 | 87 | 302 | 271 | 159 | 330 | 278 | 94 | 128 | 513 | 61 |
| | Totals | 1916 | 410 | 410 | 473 | 1353 | 767 | 679 | 1482 | 886 | 431 | 736 | 1785 | 278 |

| | | | | | | | | | | | | | | | | |
|--------------|---------|------|------|------|------|------|------|-------|------|------|------|------|------|------|-------|------|
| Ward 6 | Prec. 1 | 144 | 40 | 39 | 135 | 42 | 46 | 132 | 59 | 32 | 113 | 78 | 32 | 104 | 95 | 24 |
| | " 2 | 288 | 58 | 66 | 231 | 95 | 86 | 233 | 120 | 59 | 171 | 180 | 61 | 142 | 230 | 40 |
| | " 3 | 319 | 86 | 76 | 251 | 119 | 111 | 235 | 165 | 81 | 190 | 222 | 69 | 168 | 255 | 58 |
| | " 4 | 562 | 70 | 98 | 382 | 187 | 161 | 345 | 283 | 102 | 246 | 396 | 88 | 185 | 467 | 78 |
| | Totals | 1313 | 254 | 279 | 999 | 443 | 404 | 945 | 627 | 274 | 720 | 876 | 250 | 599 | 1047 | 200 |
| Ward 7 | Prec. 1 | 335 | 92 | 107 | 256 | 153 | 125 | 268 | 169 | 97 | 185 | 285 | 75 | 169 | 307 | 58 |
| | " 2 | 275 | 103 | 181 | 291 | 88 | 189 | 260 | 143 | 156 | 240 | 181 | 138 | 225 | 201 | 133 |
| | " 3 | 255 | 307 | 78 | 194 | 386 | 60 | 483 | 67 | 90 | 276 | 243 | 121 | 152 | 447 | 41 |
| | " 4 | 330 | 77 | 83 | 237 | 110 | 143 | 242 | 156 | 92 | 190 | 217 | 83 | 172 | 251 | 67 |
| | Totals | 1195 | 579 | 449 | 978 | 737 | 508 | 1253 | 535 | 435 | 891 | 915 | 417 | 718 | 1206 | 299 |
| Ward 8 | Prec. 1 | 627 | 96 | 154 | 440 | 224 | 213 | 470 | 230 | 177 | 310 | 419 | 148 | 236 | 553 | 88 |
| | " 2 | 468 | 311 | 119 | 258 | 508 | 122 | 664 | 81 | 153 | 422 | 285 | 191 | 177 | 649 | 72 |
| | " 3 | 276 | 165 | 224 | 287 | 100 | 278 | 304 | 115 | 246 | 257 | 187 | 221 | 293 | 204 | 168 |
| | Totals | 1371 | 572 | 497 | 985 | 832 | 623 | 1438 | 426 | 576 | 989 | 891 | 560 | 706 | 1406 | 328 |
| Ward 9 | Prec. 1 | 527 | 247 | 113 | 295 | 497 | 95 | 682 | 89 | 116 | 428 | 286 | 193 | 149 | 670 | 68 |
| | " 2 | 586 | 194 | 163 | 370 | 420 | 153 | 655 | 122 | 166 | 431 | 271 | 251 | 237 | 585 | 121 |
| | " 3 | 587 | 121 | 120 | 452 | 207 | 169 | 501 | 229 | 98 | 333 | 408 | 87 | 223 | 532 | 73 |
| | " 4 | 192 | 82 | 103 | 168 | 74 | 135 | 173 | 87 | 117 | 169 | 115 | 93 | 146 | 156 | 75 |
| | Totals | 1892 | 644 | 499 | 1285 | 1198 | 552 | 2011 | 527 | 497 | 1341 | 1080 | 614 | 755 | 1943 | 337 |
| Ward 10 | Prec. 1 | 378 | 236 | 84 | 402 | 227 | 177 | 420 | 278 | 108 | 236 | 465 | 105 | 147 | 598 | 61 |
| | " 2 | 622 | 58 | 125 | 200 | 419 | 79 | 524 | 77 | 97 | 329 | 229 | 140 | 110 | 544 | 44 |
| | " 3 | 311 | 121 | 105 | 226 | 215 | 96 | 309 | 119 | 109 | 303 | 107 | 127 | 251 | 206 | 80 |
| | Totals | 1312 | 415 | 314 | 828 | 861 | 352 | 1253 | 474 | 314 | 868 | 801 | 372 | 508 | 1348 | 185 |
| Ward 11 | Prec. 1 | 372 | 280 | 125 | 291 | 371 | 115 | 534 | 100 | 143 | 365 | 207 | 205 | 235 | 448 | 94 |
| | " 2 | 510 | 153 | 208 | 470 | 186 | 215 | 511 | 201 | 159 | 400 | 323 | 148 | 360 | 406 | 105 |
| | " 3 | 408 | 134 | 208 | 387 | 116 | 247 | 428 | 131 | 191 | 322 | 259 | 169 | 315 | 300 | 135 |
| | Totals | 1290 | 567 | 541 | 1148 | 673 | 577 | 1473 | 432 | 493 | 1087 | 789 | 522 | 910 | 1154 | 334 |
| Grand Totals | | 1248 | 4201 | 3959 | 9458 | 6619 | 4567 | 12028 | 4651 | 3965 | 8720 | 7856 | 4068 | 6741 | 11329 | 2574 |

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